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THE ECONOMIC RESOURCES OF ITALY

THEIR DEVELOPMENT DURING THE LAST TWENTY-FIVE YEARS AND THEIR PRESENT CONDITION

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PUBLISHED BY THE "CREDITO ITALIANO"

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THEIR DEVELOPMENT DURING THE LAST TWENTY-FIVE YEARS AND THEIR PRESENT CONDITION

1895-1920

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26/5/22

PUBLISHED AT MILAN
BY THE "CREDITO ITALIANO"
MCMXX

Printed by Bertieri & Vanzetti
Milan

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The Textile Industry
Chemical Industries
Alimentary Industries
Other Industries
The Minor Arts
Communication and Transport
Hotels
The Colonies
Offices of the "Credito Italiano"

CHARACTERISTIC PRODUCTS OF DIFFERENT REGIONS OF ITALY

Hydro-electric Stations Piedmont, Lombardy, Venice, Tuscany, Umbria, Latium, Abruzzi and Molise, Sicily

Coal Mines . . . . . Venice, Sardinia

Lignite Mines . . . . . Tuscany, Umbria, Sardinia

Iron Mines . . . . . Piedmont, Lombardy, Tuscany, Sardinia

Zinc Mines . . . . . Sardinia

Lead Mines . . . . . Sardinia

Pyrites Mines . . . . . Tuscany

Mercury Mines . . . . Venice, Tuscany

Manganese Mines . . . Tuscany

Copper Mines . . . . . Tuscany

Bauxite Mines . . . . . Venice, Abruzzi, Molise

Alluminite Mines . . . Latium

Sulphur Mines . . . . . Sicily

Marble and Alabaster Quarries . . . . . Venice (marble), Tuscany

Petroleum Wells . . . Emilia

Petroleum Refineries . Venice

Boracic Acid Smoke boles (Soffioni) . . Tuscany

Metallurgical Industries Piedmont, Lombardy, Venice, Liguria, Tuscany, Umbria, Abruzzi and Molise (alluminium), Campania, Sicily

Mechanical Industries . . Piedmont, Lombardy, Venice, Liguria, Emilia, Tuscany, Latium, Campania, Sicily

Automobile Industries . Piedmont, Lombardy

Naval Construction . . . Venice, Liguria, Tuscany, The Marches, Campania, Apulia, Sicily

Arms Factories . . . . . Lombardy

Torpedo Factories . . . . Venice

Electrical Industries . . . Piedmont, Lombardy, Liguria, Tuscany

Rubber Industry . . . . . Piedmont, Lombardy

Chemical Industries . . . Piedmont, Lombardy, Venice (linoleum), Liguria, Tuscany, Umbria (carbide), Latium, Campania, Apulia, Sicily

Stearic Industries . . . . . Venice

Artificial Silk Industries Lombardy, Venice

Silk Factories . . . . . Piedmont, Lombardy, Venice, The Marches, Calabria

Cotton Factories . . . . . Piedmont, Lombardy, Venice, Liguria, Tuscany, Campania

Wool Factories . . . . . Piedmont, Lombardy, Venice, Tuscany

Jute Factories . . . . . Venice, Liguria, Umbria

Hemp and Flax Factories Lombardy, Liguria, Emilia, Campania

Hat Factories . . . . . Piedmont, Lombardy, Venice (straw hats), Tuscany (straw hats)

Lace and Embroidery . . Lombardy, (machine lace) Venice, Liguria, Abruzzi and Molise

Artistic Industries . . . . Venice, Tuscany, Campania (coral and cameos)

Articles "de luxe" . . . . Lombardy

Tanneries . . . . . Piedmont, Lombardy, Tuscany, Campania, Sicily

Cement Works . . . . . Piedmont, Lombardy

Pottery Works . . . . . Lombardy, Tuscany, The Marches, Campania

Glass Works . . . . . Lombardy, Venice, Tuscany, Campania

Paper Works . . . . . Piedmont, Lombardy, Venice, The Marches, Campania

Manufacture of wooden articles, furniture etc. Lombardy, Tuscany

Button Factories . . . . . Lombardy, Emilia

Sugar Factories . . . . . Venice, Liguria, (refineries) Emilia, Abruzzi and Molise

Industries connected with food . . . . . Lombardy, Venice, Liguria, Emilia, Campania, Apulia, Sicily

Dairy Produce (cheese making etc.) . . . . . Lombardy

Chocolate Factories . . . Piedmont, Lombardy

Oil Factories . . . . . Lombardy, Venice, Liguria, Apulia

Olive Oil . . . . . Liguria, Tuscany, Apulia, Basilicata, Calabria, Sicily

Grapes and Wine . . . . Piedmont, Lombardy, Venice, Emilia, Tuscany, The Marches, Campania, Apulia, Sicily

Vermuth . . . . . Piedmont

Marsala . . . . . Sicily

Distilleries . . . . . Piedmont, Lombardy, Venice

Cocoons . . . . . Piedmont, Lombardy, Venice, The Marches, Calabria

Hemp . . . . . Piedmont

Rice . . . . . Piedmont

Rice Mills . . . . . Piedmont, Venice

Fruit . . . . . Venice, Emilia, Abruzzi, Molise, Campania, Apulia, Basilicata, Calabria, Sicily

Oranges, Lemons etc. . . Sicily

Vegetables . . . . . Emilia, Tuscany, Campania, Apulia, Sicily

Fresh Flowers . . . . . Liguria

Straw Plaiting and Wicker Work . . . . . Emilia, Tuscany

Timber Works . . . . . Calabria

Wool . . . . . Latium, Abruzzi and Molise, Apulia, Sardinia

Skins . . . . . Latium, Campania, Sardinia

Symbols for the illustration of the productive activity of the different regions of Italy

AGRICULTURE

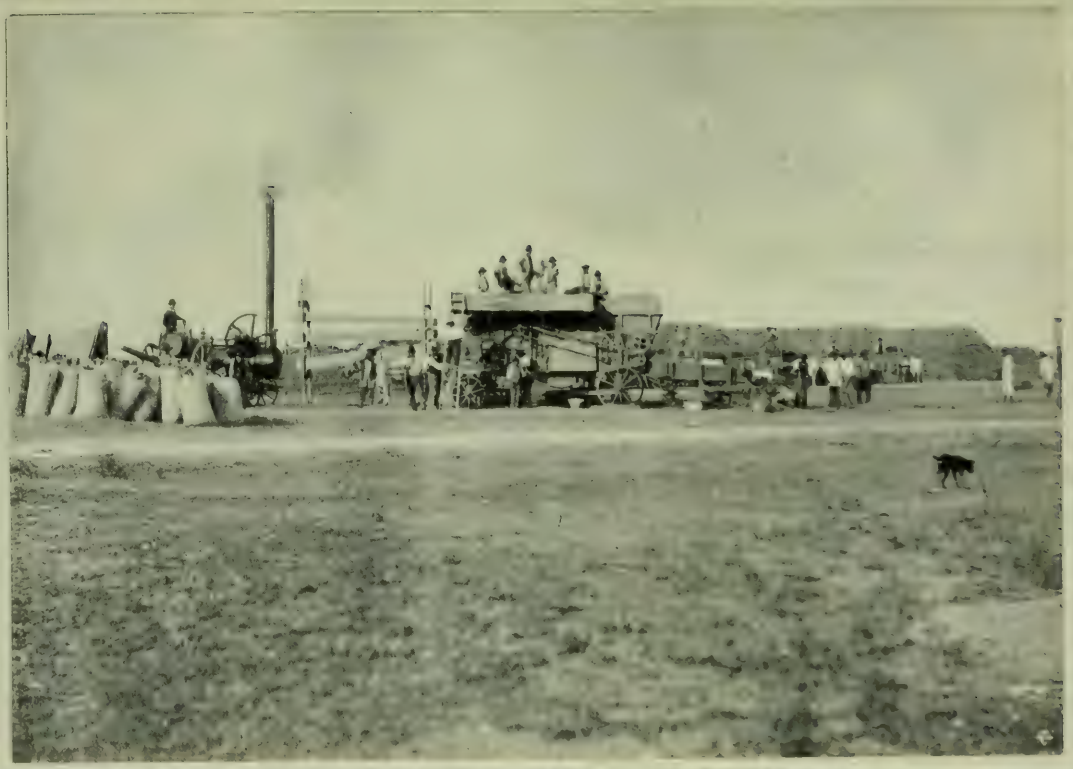
The mechanical cultivation of land in the Lombardy plains

Wheat cultivation that yields the highest returns in Piedmont

Harvest in Apulia

Transport of sheaves of corn on the Apulian "Tavoliere"

Building up the sheaves



Threshing the wheat

The abundant yield of the vines in Piedmont

Characteristic scene during the vintage in Apulia

Conveying the grapes to the wine presses in the Lecce district

Century old olive trees in Calabria

Other olive groves in Apulia

The luxuriant vegetation of the orange gardens in Sicily

Gathering oranges in Sicily

The intensive production of vegetables in Campania (tomatoes)

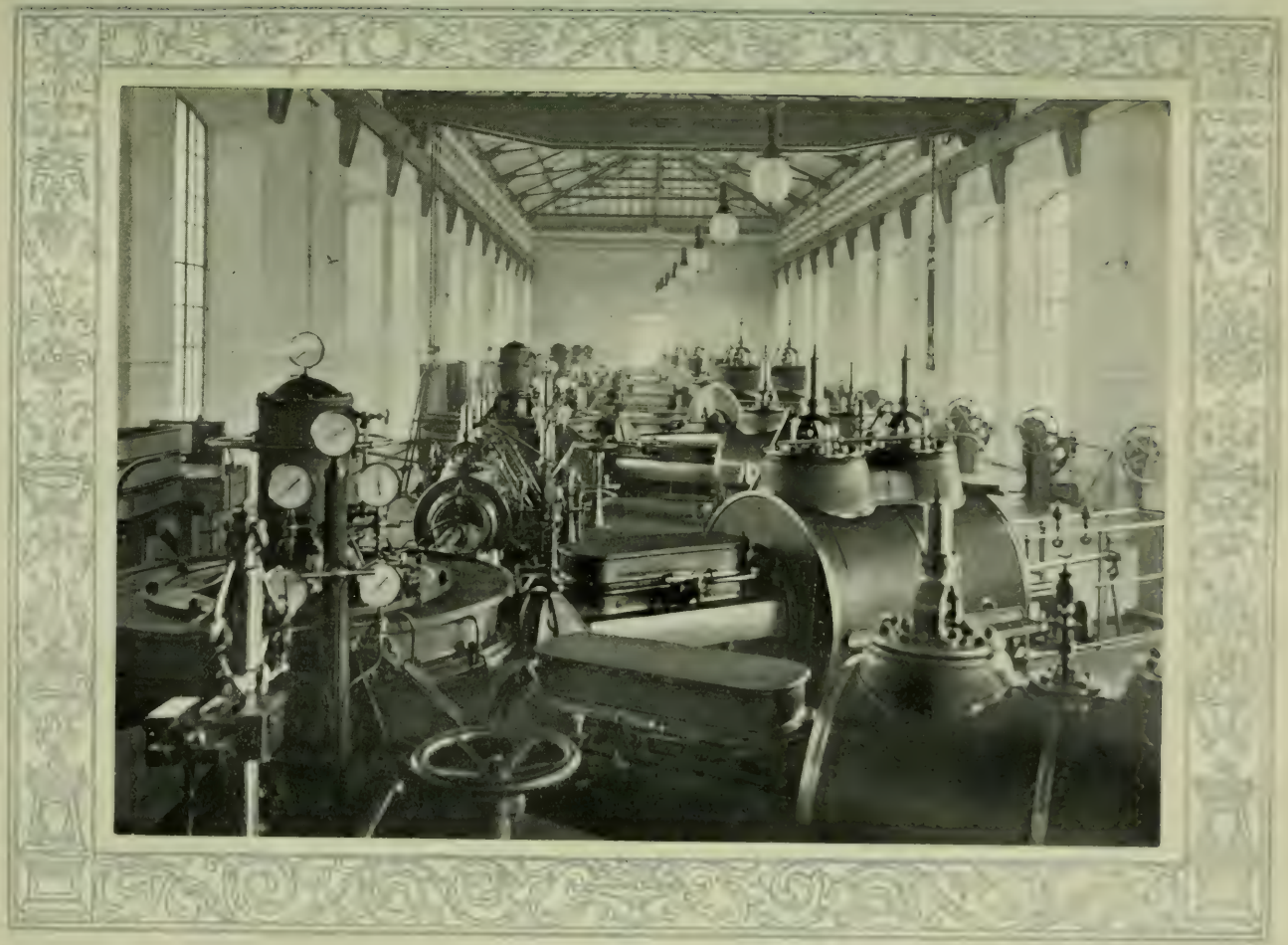
Silk worm culture at Ascoli Piceno. Collecting the moths from the isolators

Outdoor cultivation of flowers. Fields of carnations in the Ligurian Riviera

Gathering straw for hat making

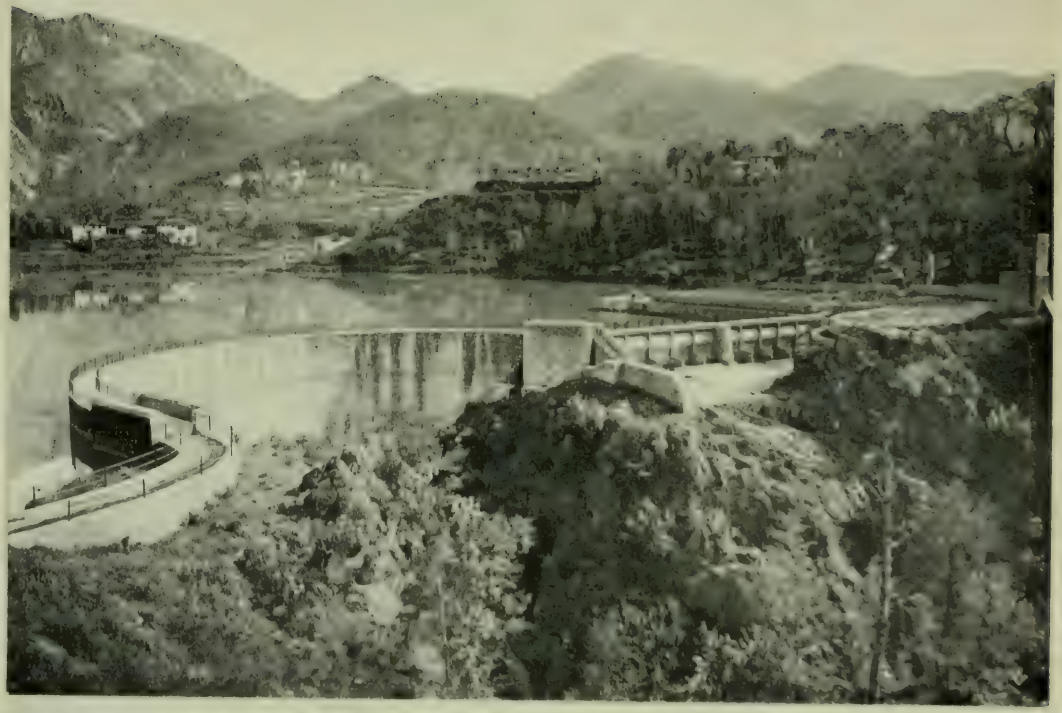
The gigantic willows in Emilia which are stripped for wicker work

Works for draining the marshes and transforming them into fertile land for cultivation (Drainage works in the district of Ferrara)



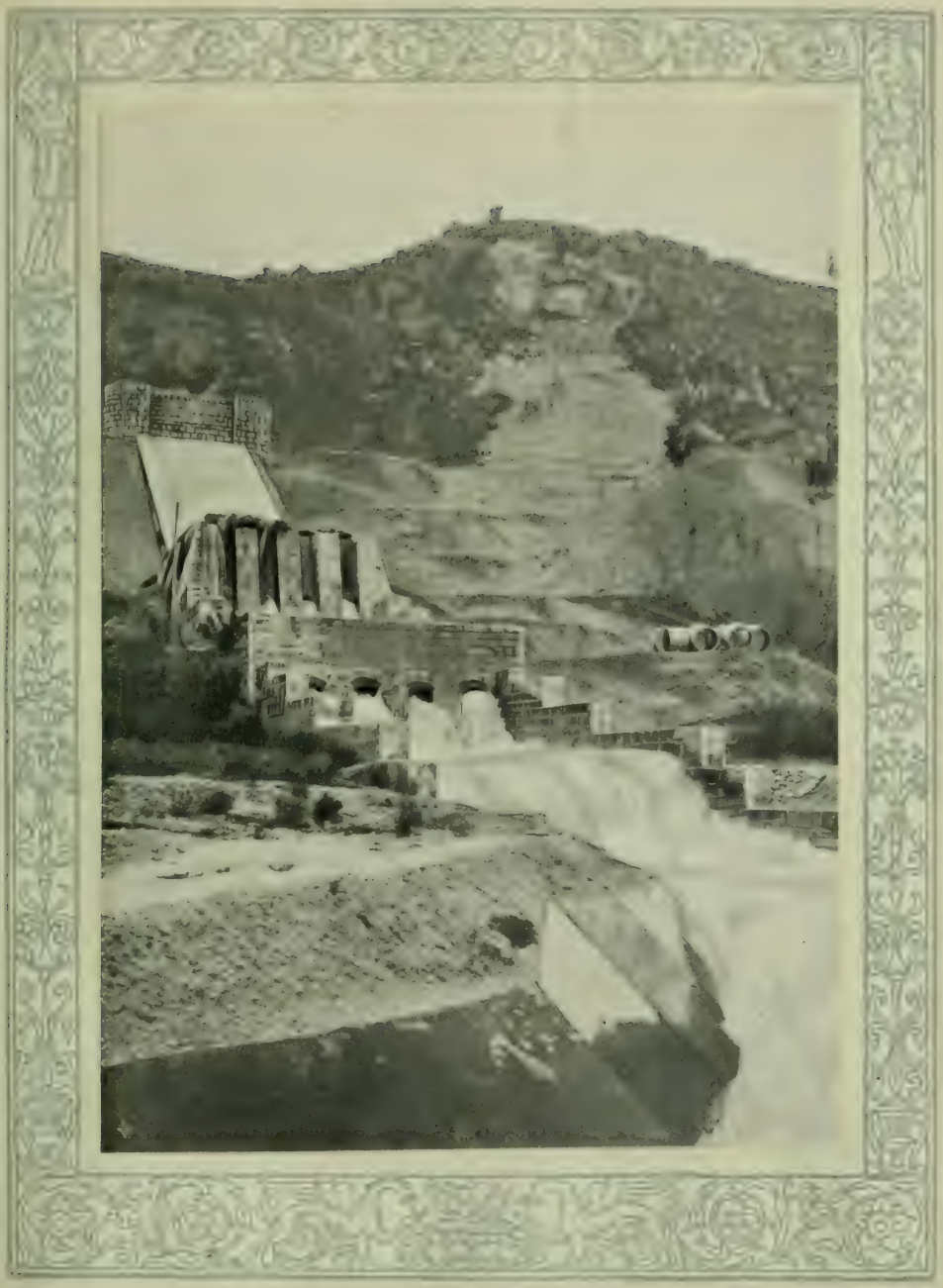
Engine room in the drainage works of an establishment in the district of Ferrara

HYDRO-ELECTRICAL STATIONS



Creation of artificial lakes in the mountains to regulate the flow of the mountain torrents (Corfino in Tuscany)

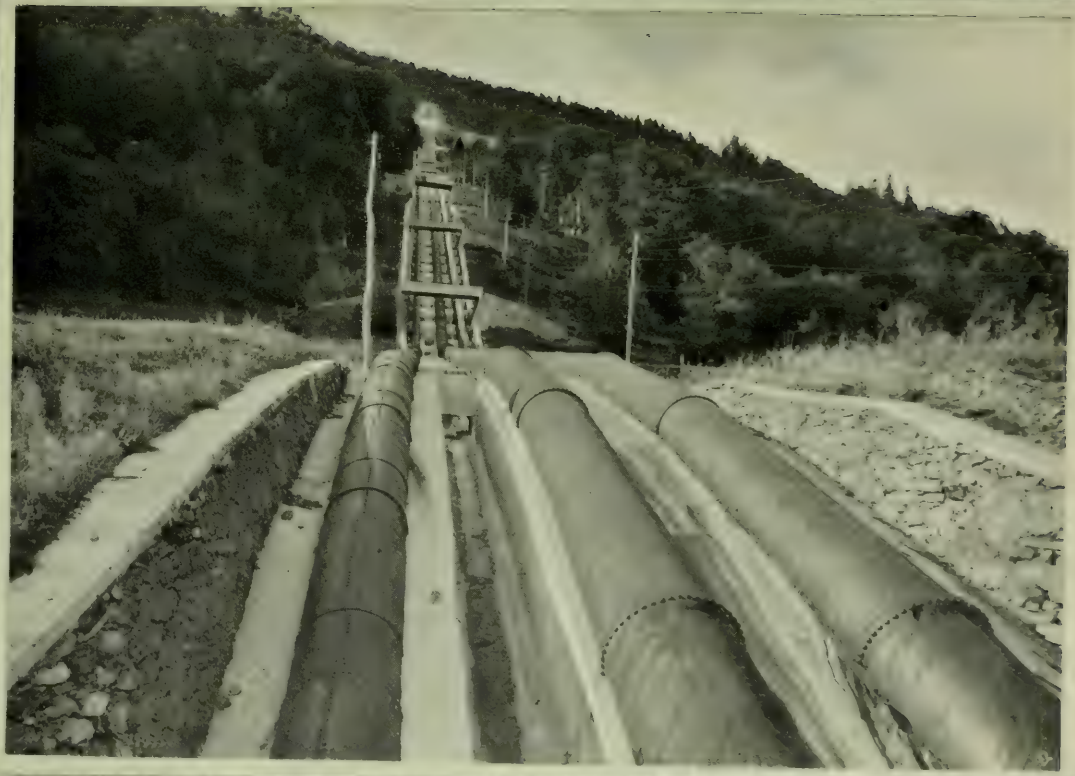
A huge dam for containing the waters that drain from the mountains (Ligurian Alps)



Overflow pipe in the Cellina power station
(Venice)

Barrage for the regulation of water power (Corfino in Tuscany)

Central power station and aqueduct
(S. Dalmazzo di Tenda)



Water pipes for hydro-electric plant (Verampio)

A modern central power station (Robbiate sull'Adda). Double turbine batteries of 7000 HP each, built at Milan

MINING INDUSTRIES

Lignite deposits (Val d'Arno)

Underground extraction of lignite (Montefolconico in Tuscany)

Plan and excavating operations in a lignite mine in the Val d'Arno

Zinc mine in Iglesia (Sardinia)

Plant for washing zinc minerals (Monteponi in Sardinia)

Outlet of a lead mine (Monteponi in Sardinia)

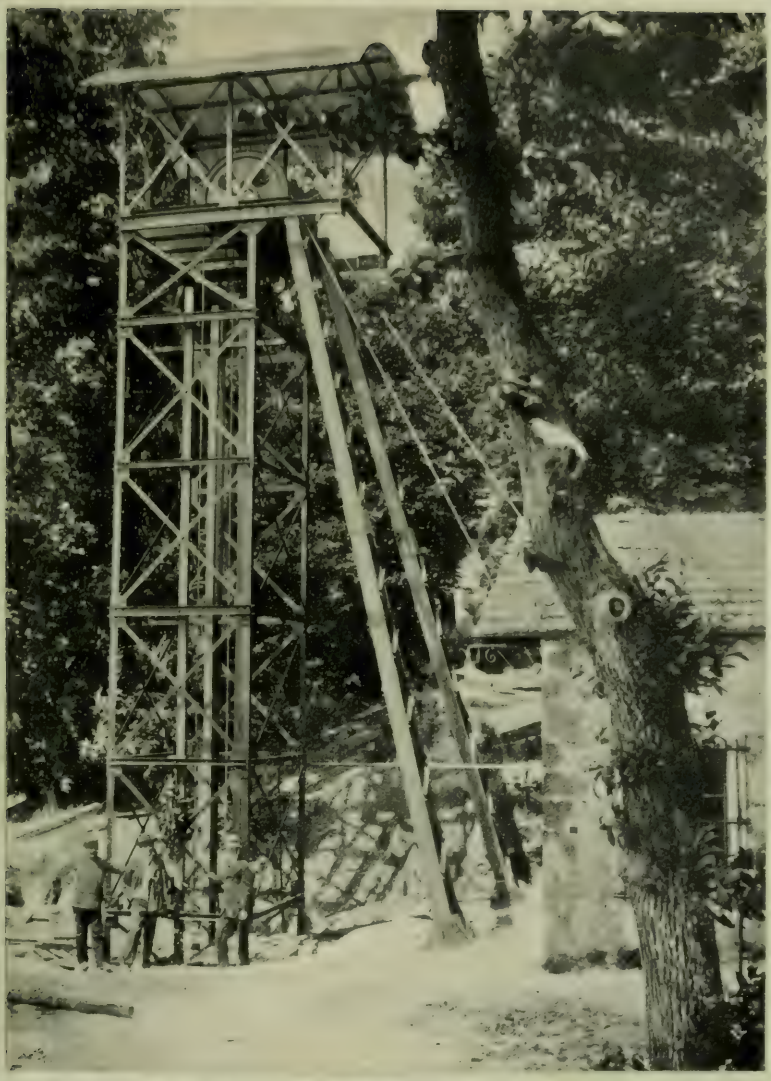
Copper mines (Fenice Massetana in Tuscany)

Telpher line for transporting iron minerals (magnetite)
(Cogne in Val d'Aosta)

Near the iron mines in the Island of Elba (Portoferraio)

Rope way for transporting iron minerals to the blast furnaces
(Piombino)

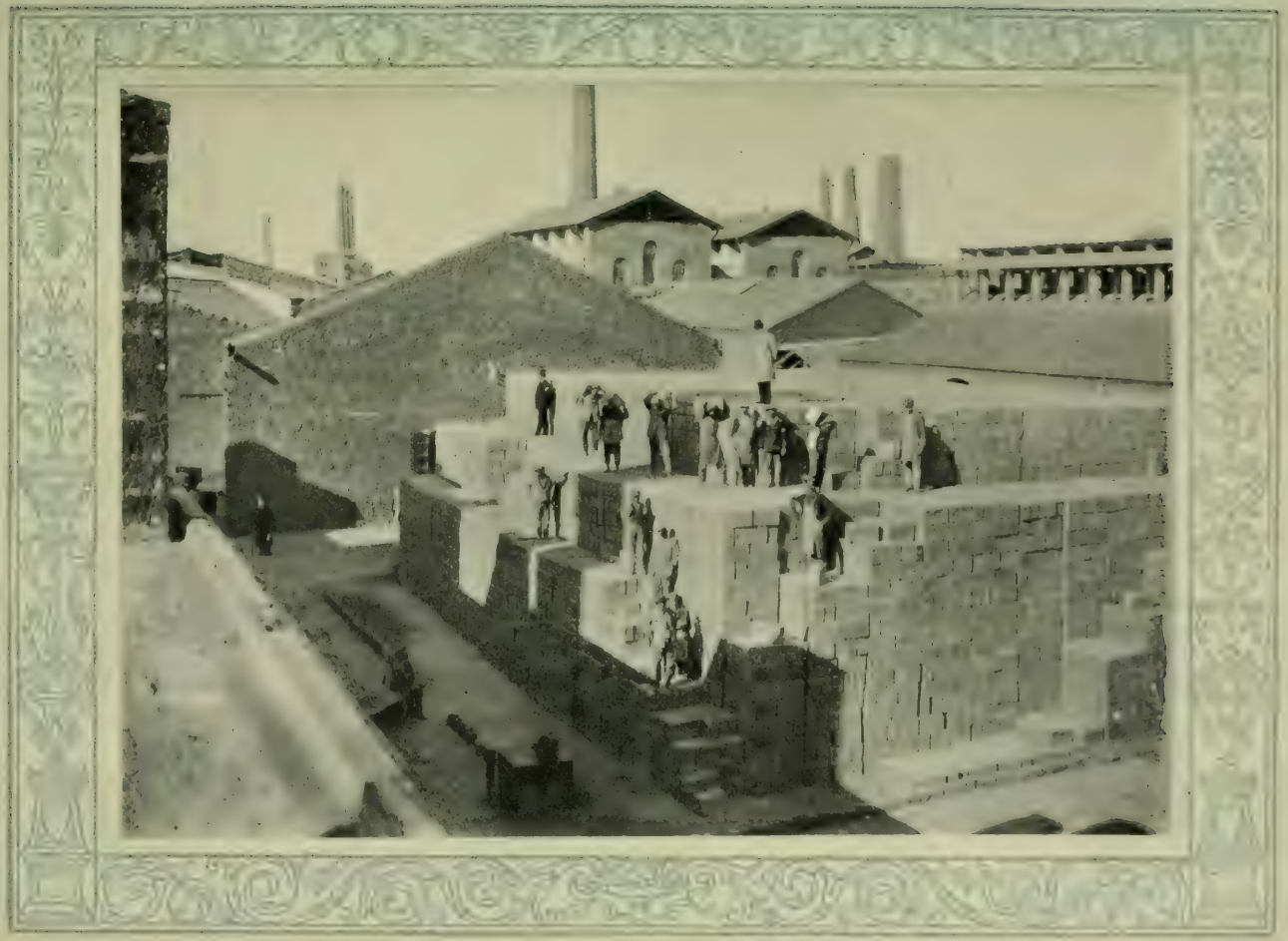
Iron pyrites mine (Gavorrano in Tuscany)



Extraction tower in the mercury mines of Monte Amiata
(Siena)

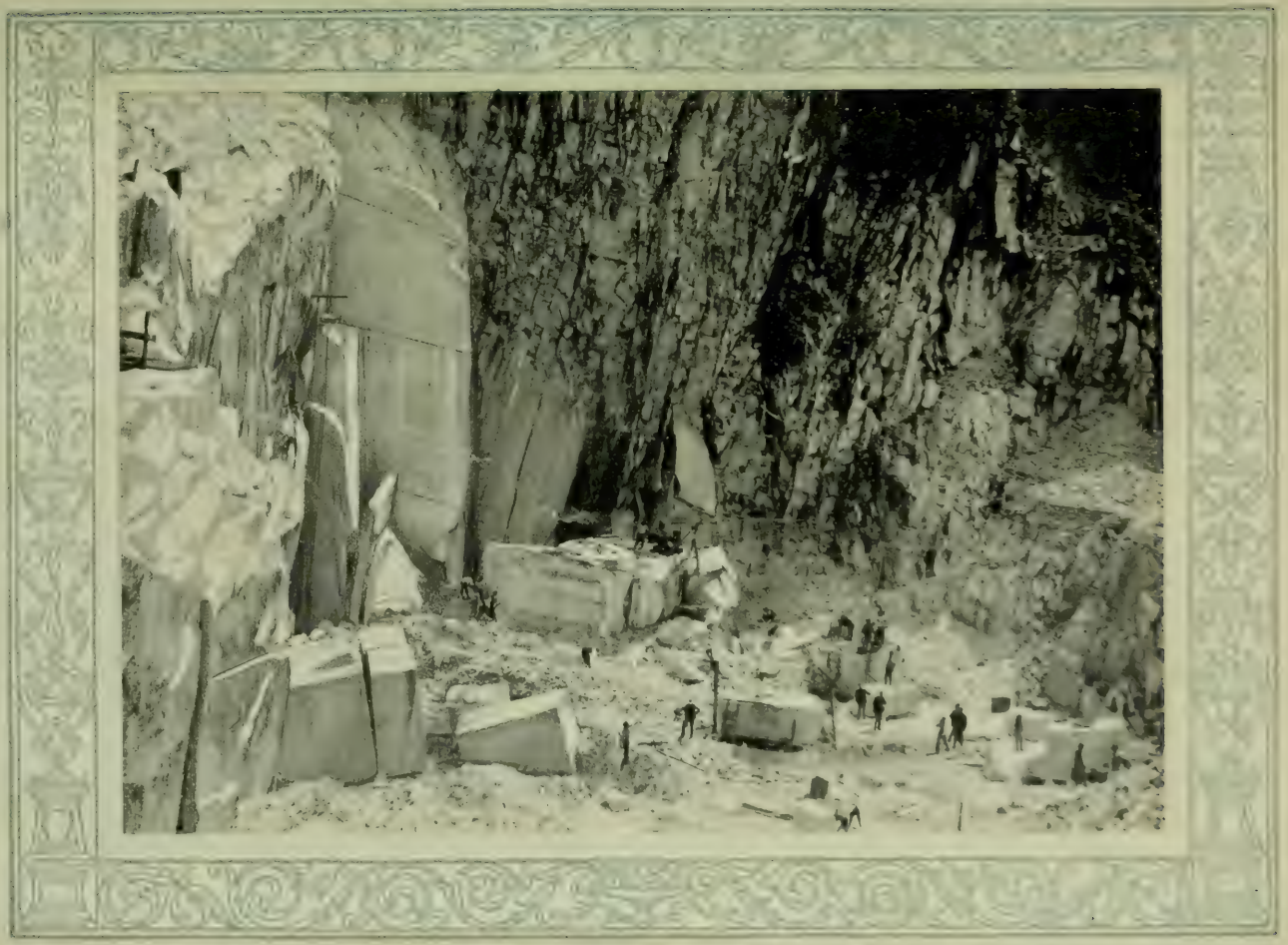
Sulphur refinery (Perticara in Romagna)

Communication way in the furnaces in a sulphur refinery (Catania)



Heap of refined sulphur in blocks in a refinery (Catania)

Magnesite mine (Castiglioncello, Pisa)

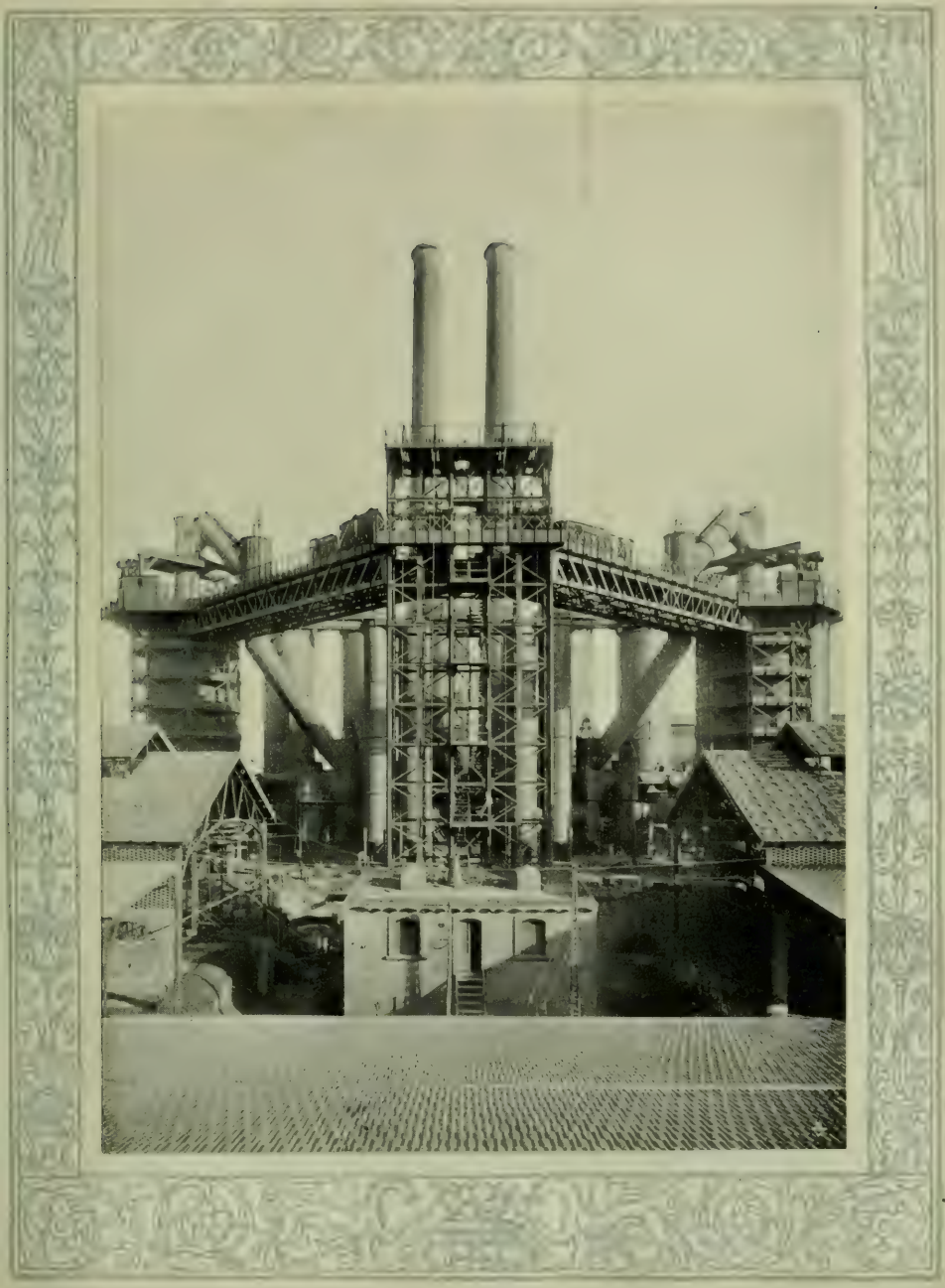


The famous marble quarries of Carrara

Group of petroleum wells (Montecbino, Piacenza)

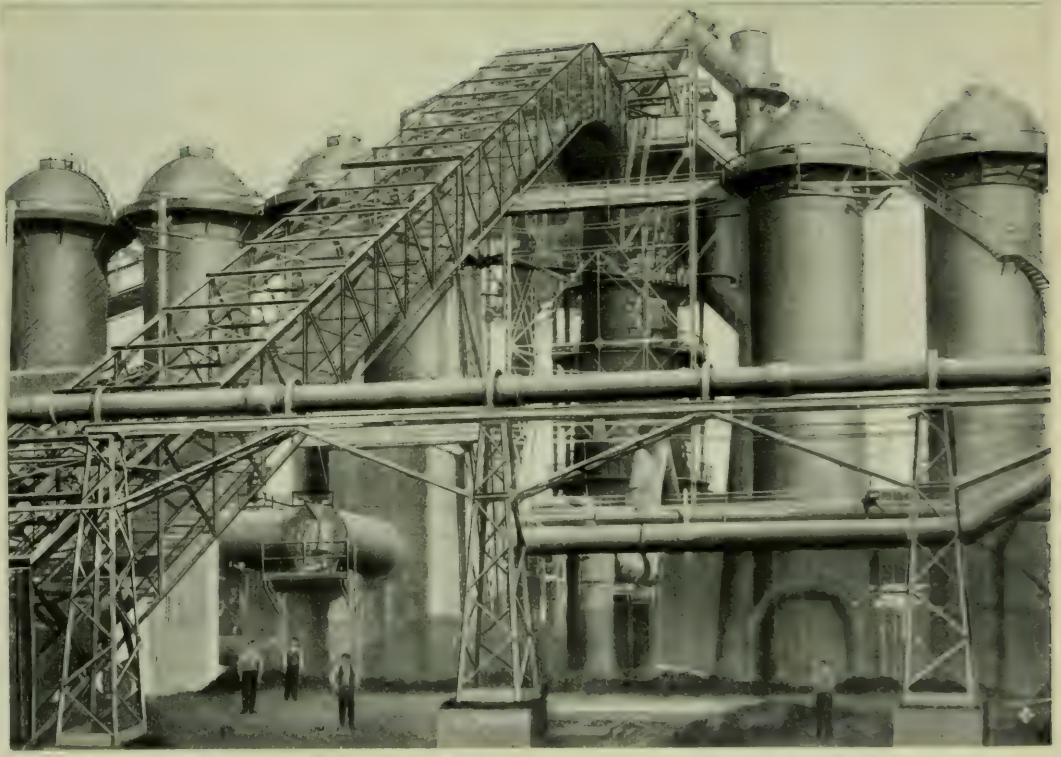
The characteristic boracic acid smoke holes of Tuscany (Larderello)

METALLURGICAL INDUSTRIES



Blast furnaces at Portoferraio (Island of Elba)

A detail of a blast furnace of 150 tons (Portoferraio)

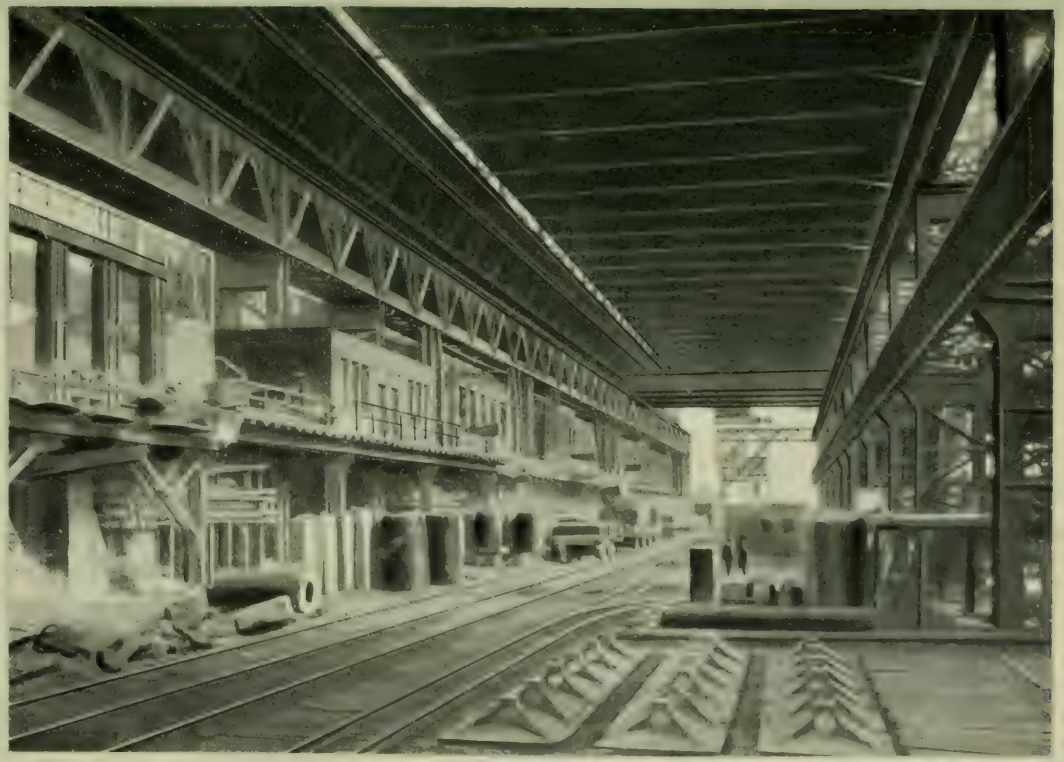


Blast furnace at Piombino

Group of blast furnaces (Bagnoli, Naples)

Battery of coke furnaces. Inclined plane for discharging the coke
(Bagnoli, Naples)

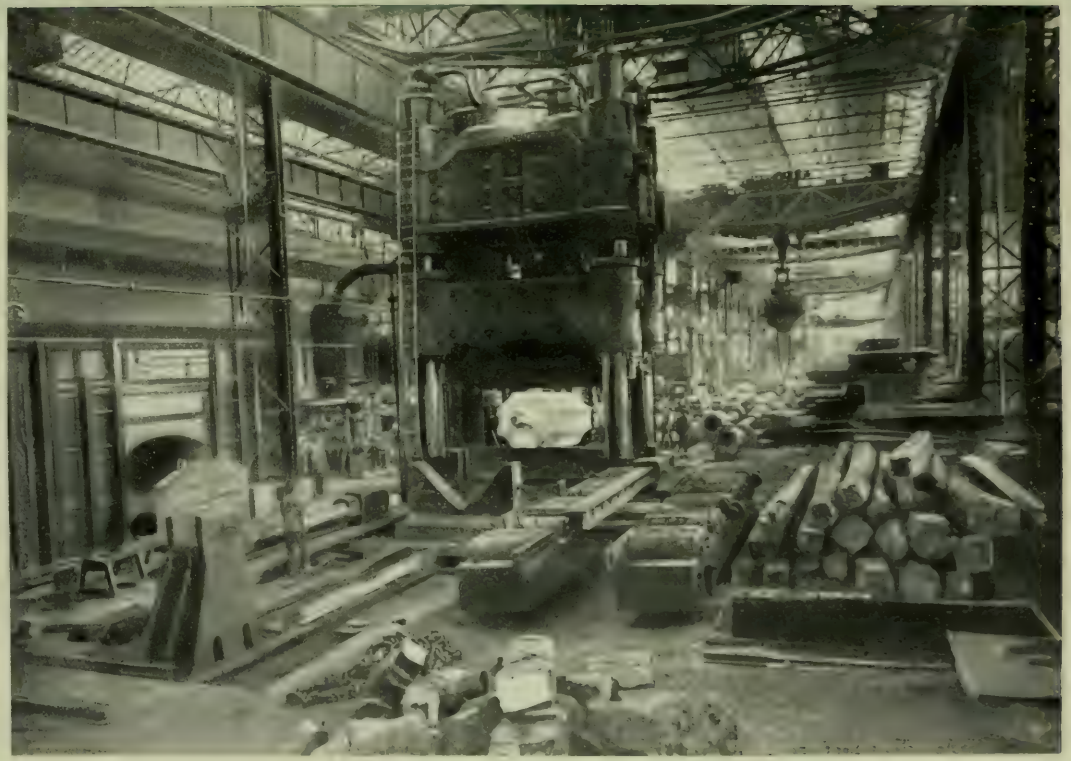
Electric furnaces for the preparation of steel (Milan)



Steel smelting with reverberating well furnaces (Bagnoli, Naples)

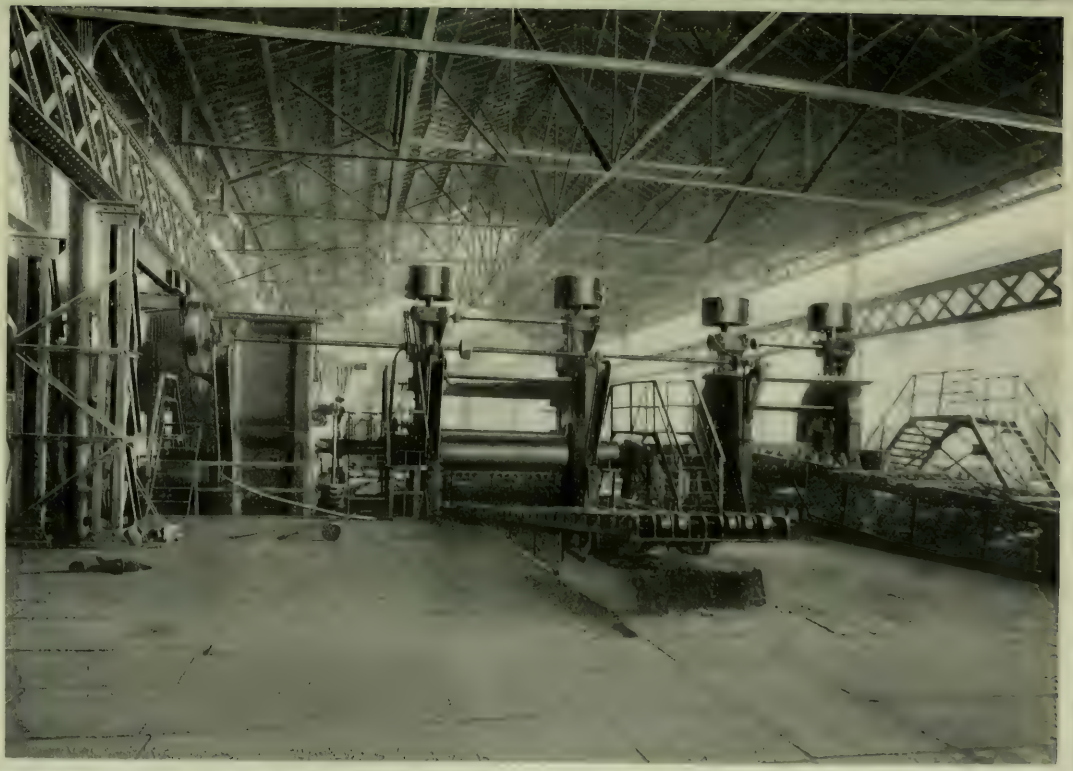
Casting of steel ingots (Sampierdarena)

Bessemer steel works. Ingot foundry (Portoferraio)



Iron forging in an iron factory (Cornigliano, Liguria)

Manufacture of iron plates in an iron factory (Savona)



Train for iron plates and other iron preparations (Savona)

Finishing shop for rails, etc. (Naples)

Manufacture of metal hawsers (Sesto S. Giovanni, Milan)

Zinc foundry (Vado, Liguria)

Copper works. A foundry (Barga in Tuscany)

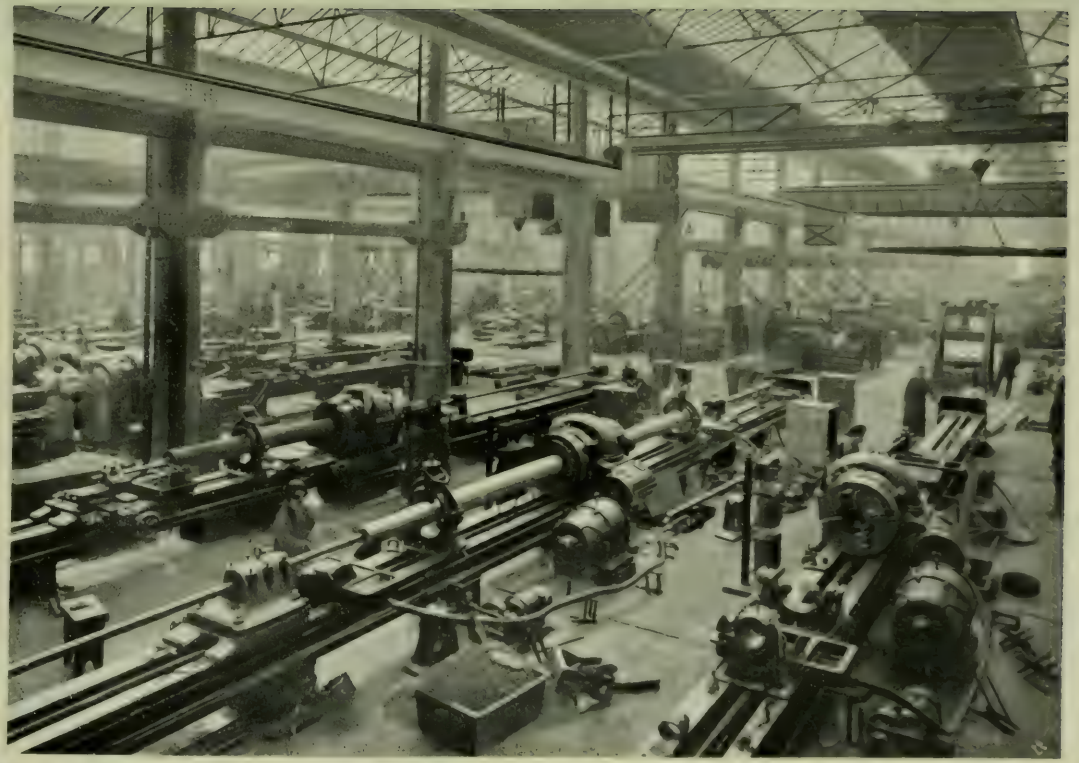
Manufacture of copper plates and wire (Legborn)

Alluminium works (Villeneuve in Val d'Aosta)

Alluminium works at Nera Montoro (Perugia)

MECHANICAL AND ELECTRICAL WORKS

Large turnery (Sampierdarena)

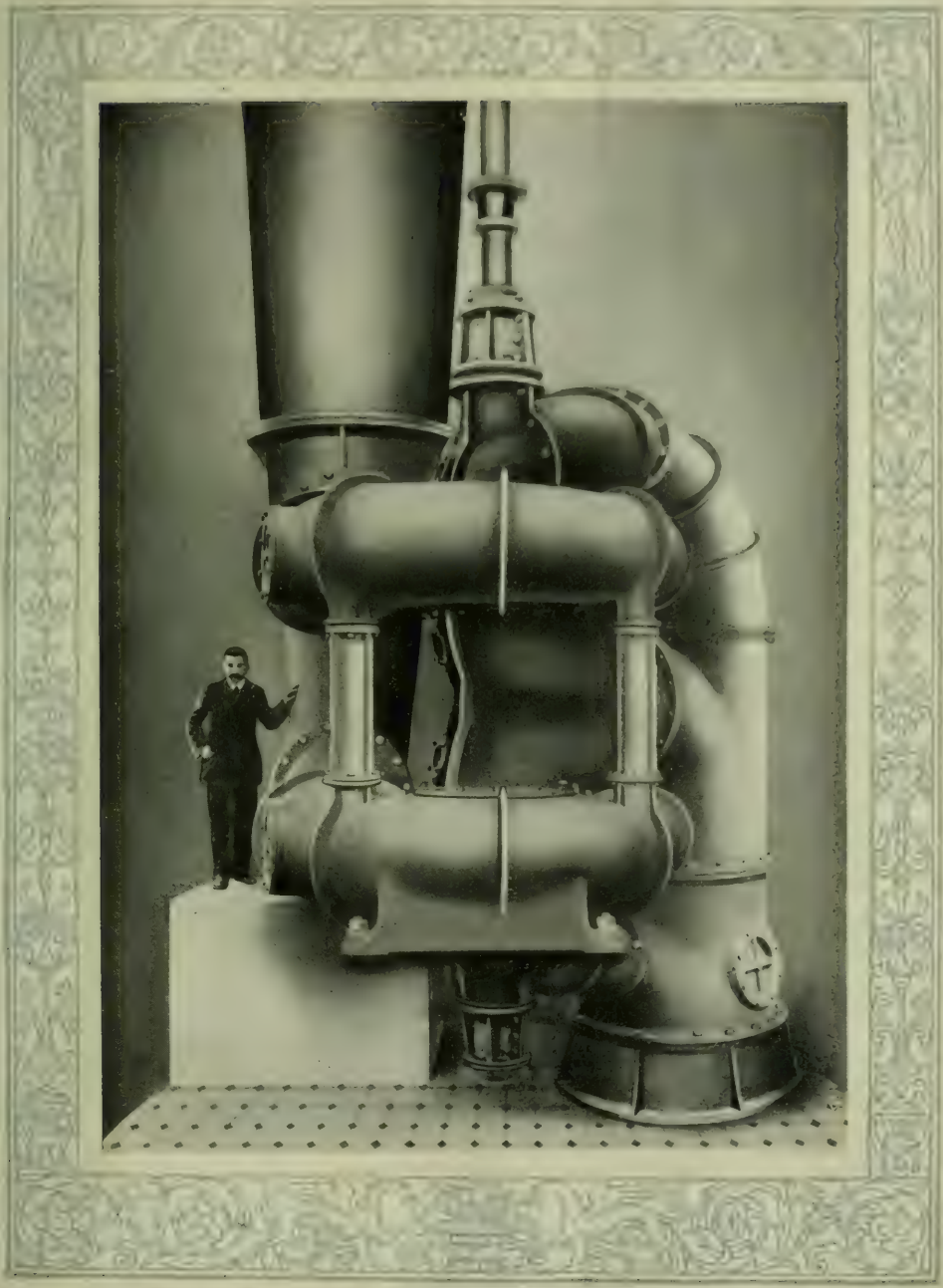


Lathe works for turning steamship shafts (Cornigliano, Liguria)

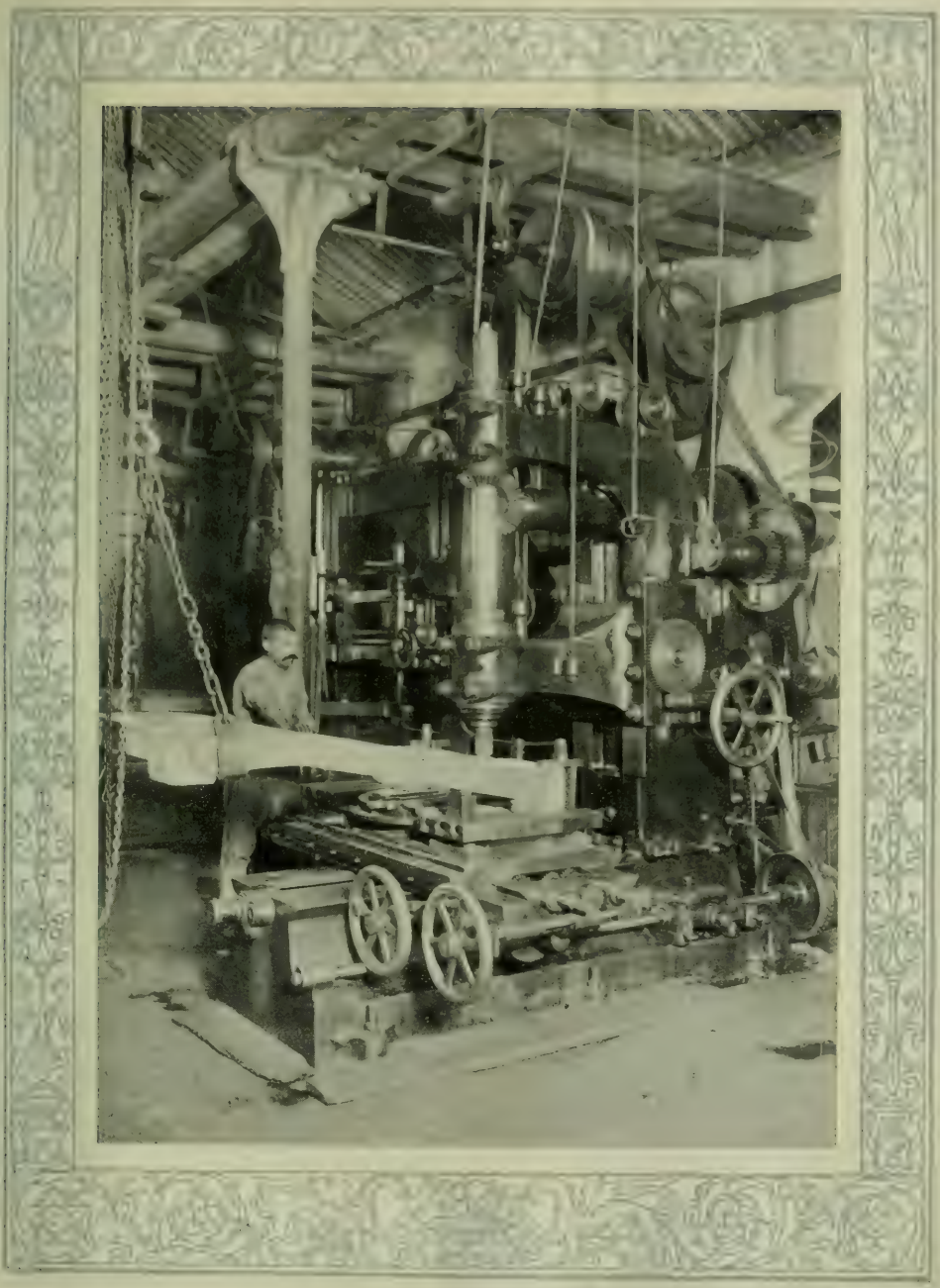
Workshop for the construction of boilers (Legnano)

Manufacture of turbines (Sampierdarena)

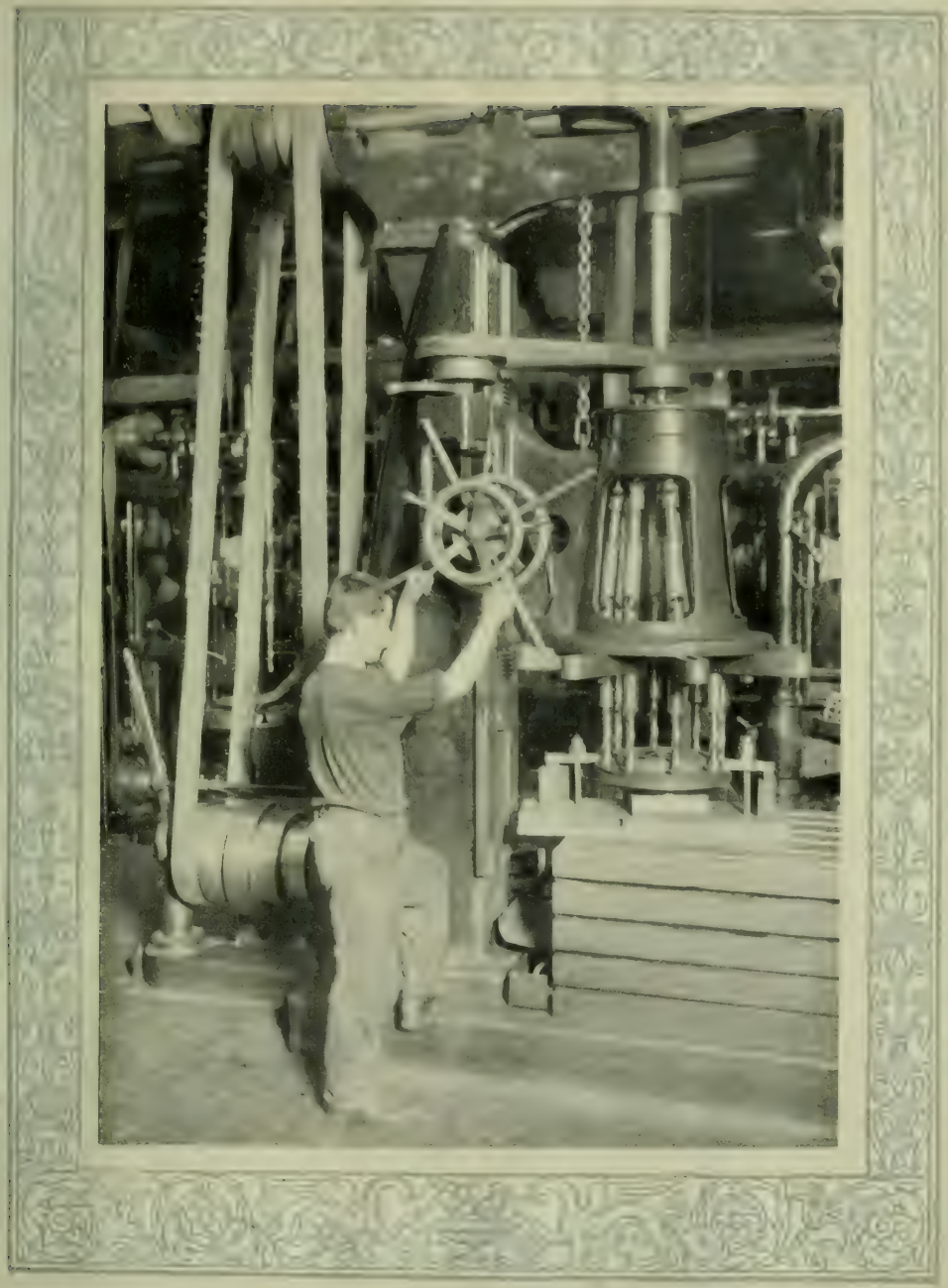
Room for the mounting of pneumatic hammers (Legnano)



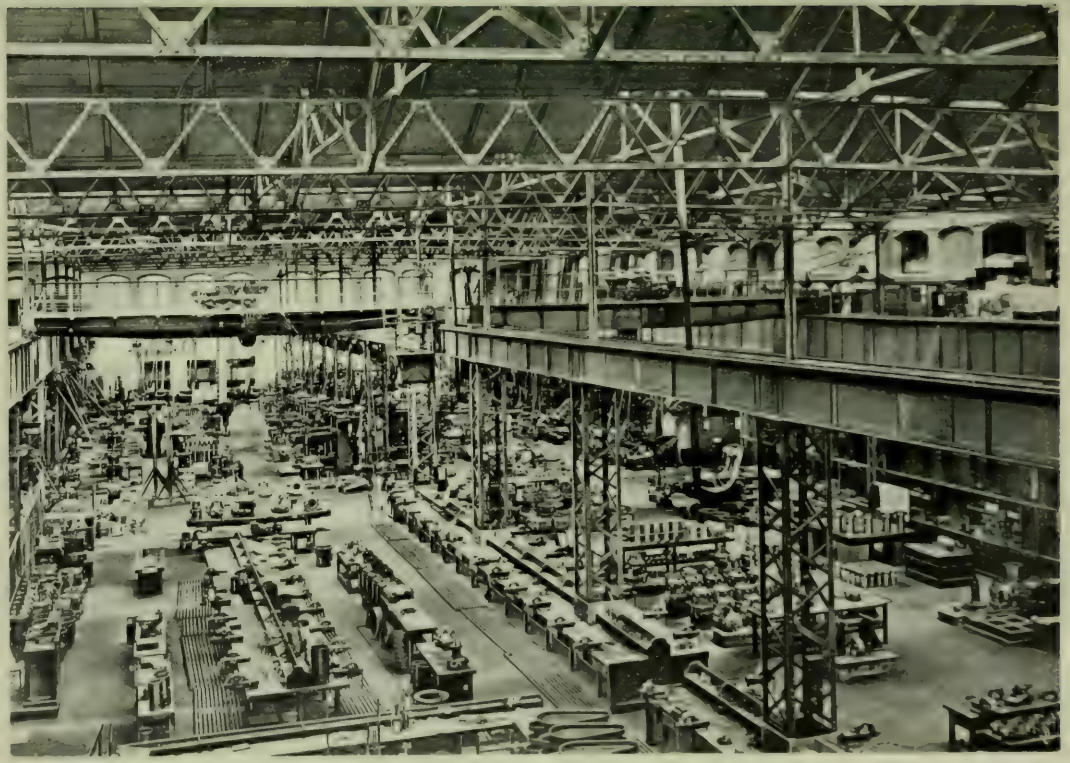
Exhaust pump for dry docks, constructed at Milan



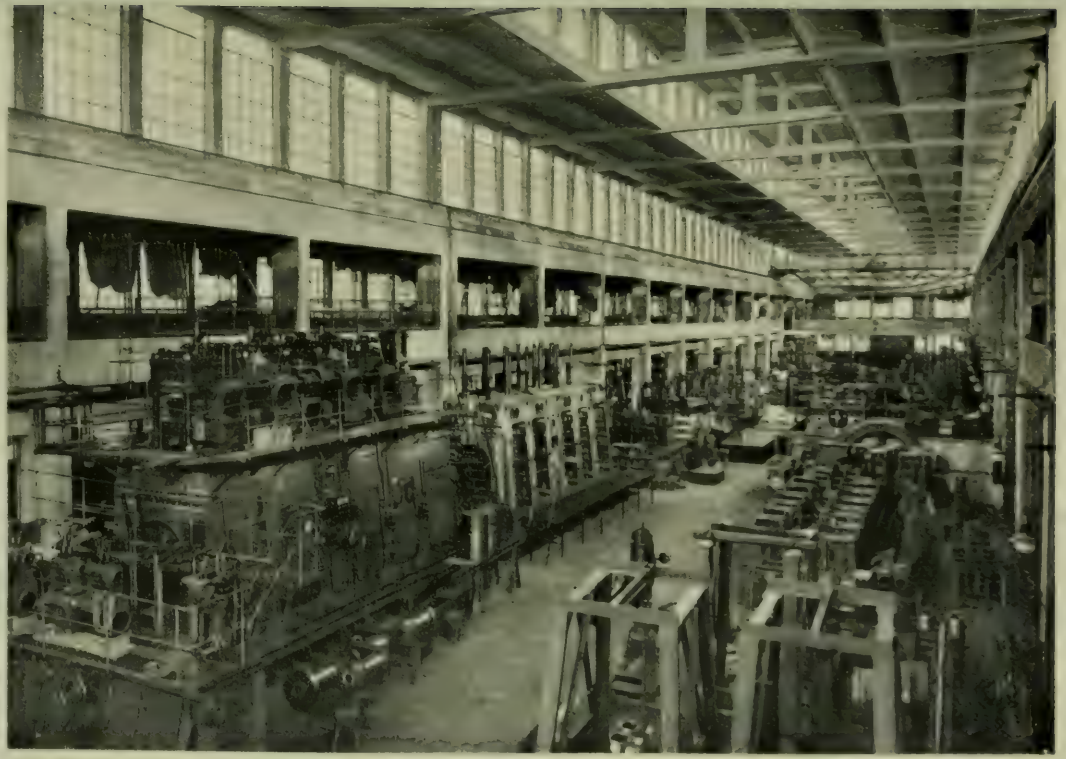
Manufacture of railway material (Naples)



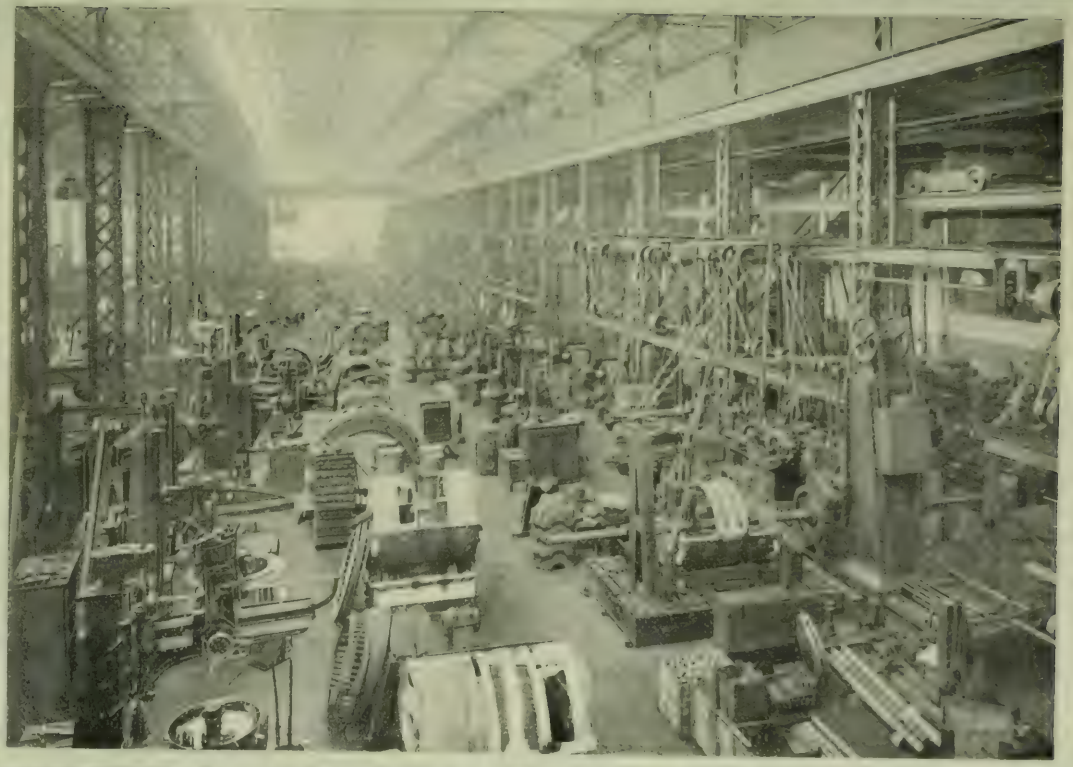
Manufacture of railway material (Naples)



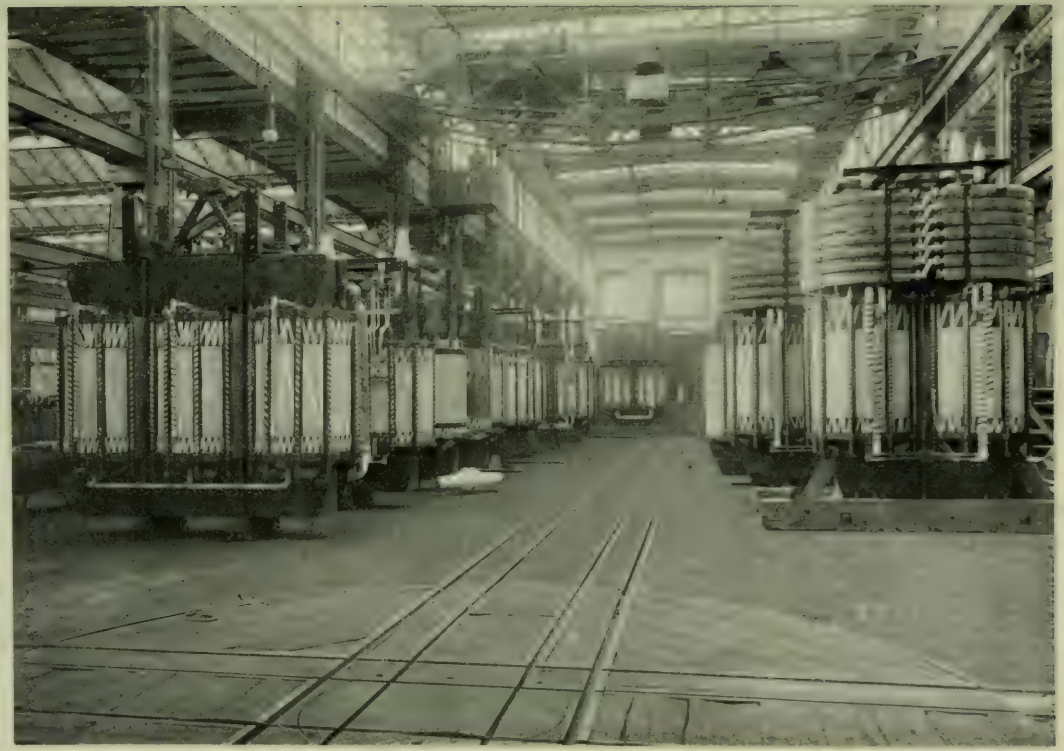
Mounting of internal combustion engines (Turin)



Mounting of heavy oil engines (Turin)



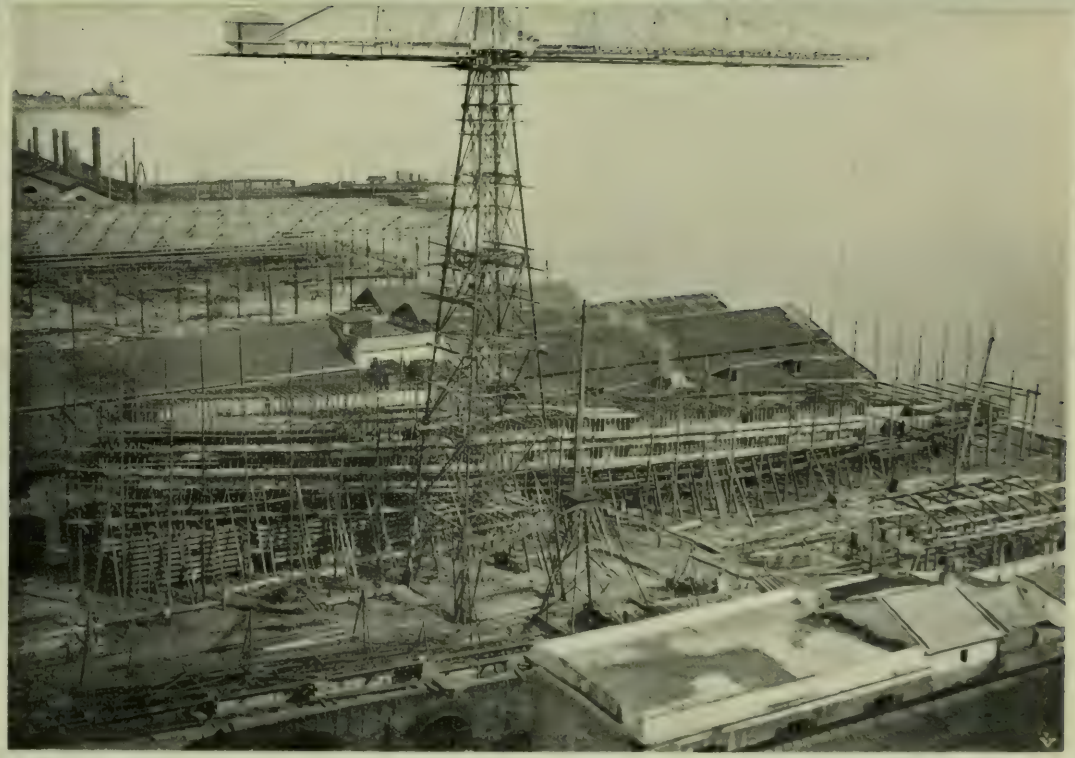
Manufacture of alternators, transformers and engines (Milan)



Winding room (Milan)

The bigbest trestle on a telpber line. Made at Milan

SHIPYARDS



Steamships under construction in one of the numerous shipyards of Liguria (Sestri Ponente)

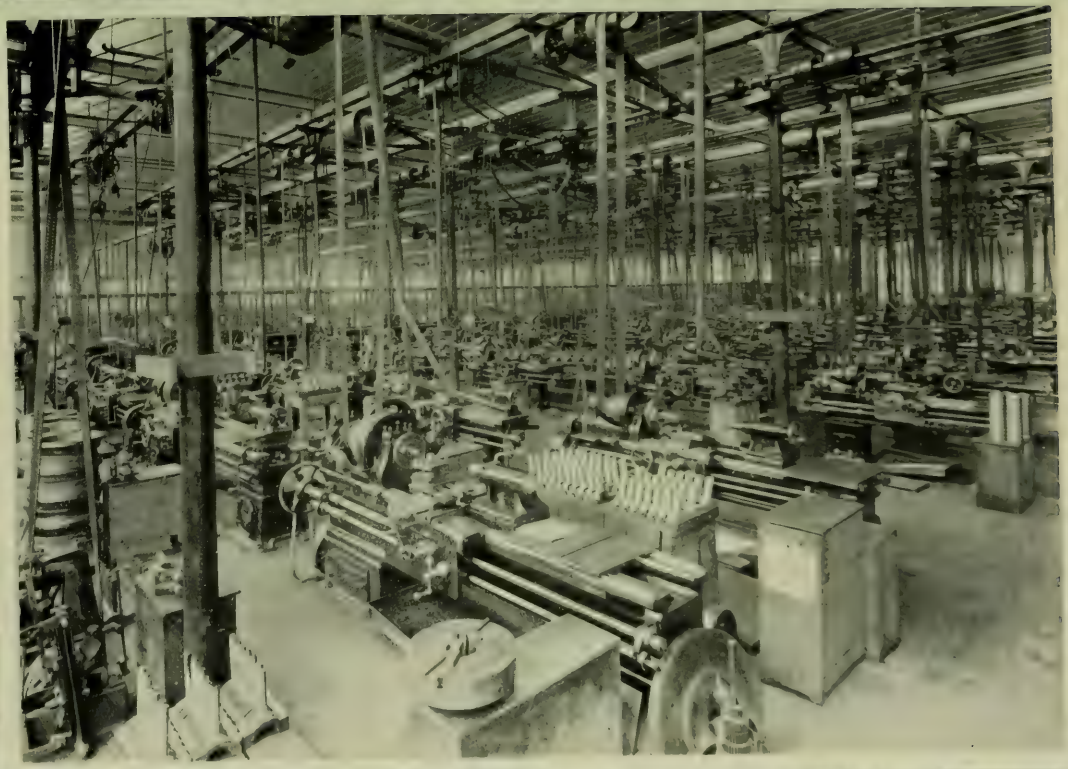
Steamer of 26,000 tons on the slips (Sestri Ponente)

Trieste naval dockyard

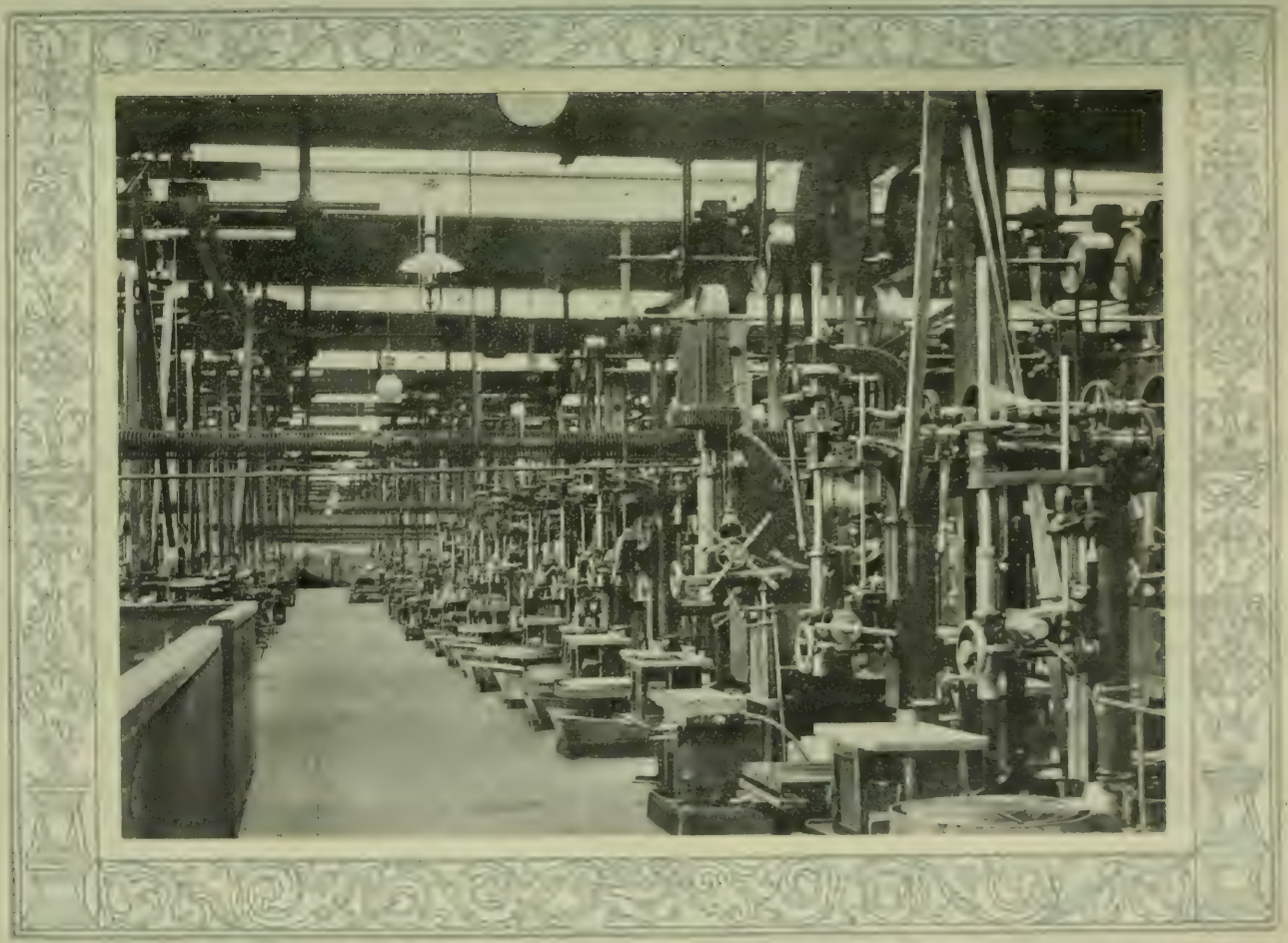
The launch of a cargo steamer (Sestri Ponente)

Slips and dry docks at Trieste

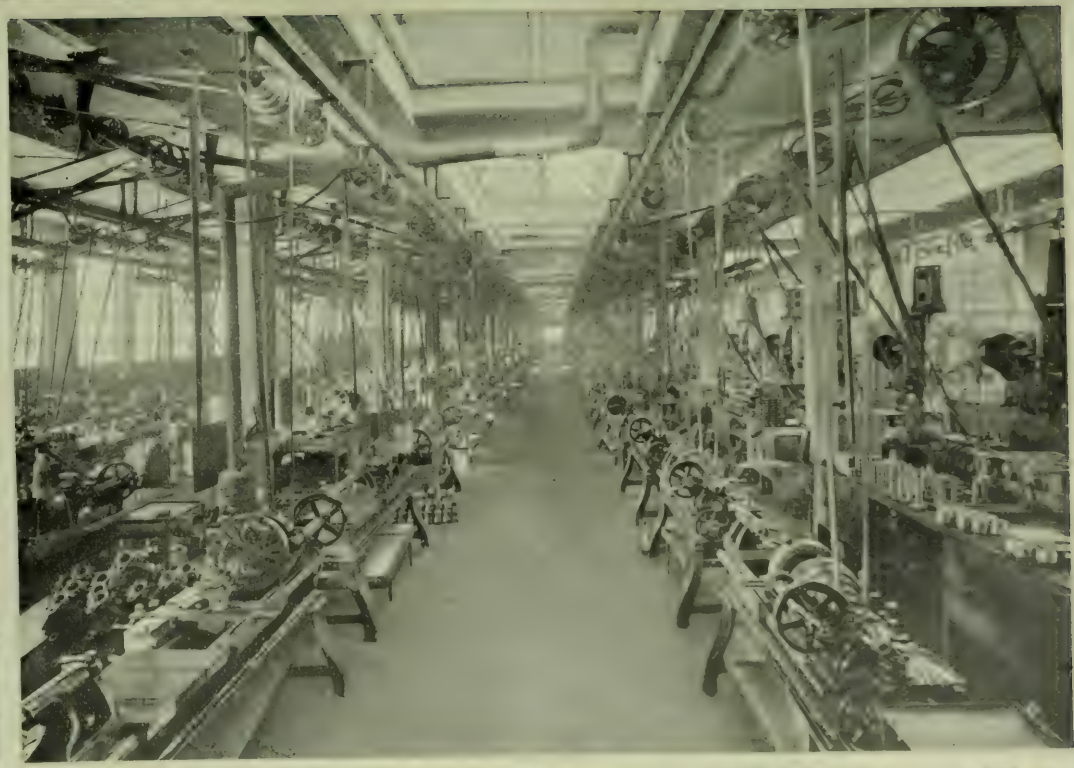
AUTOMOBILE AND AEROPLANE INDUSTRIES



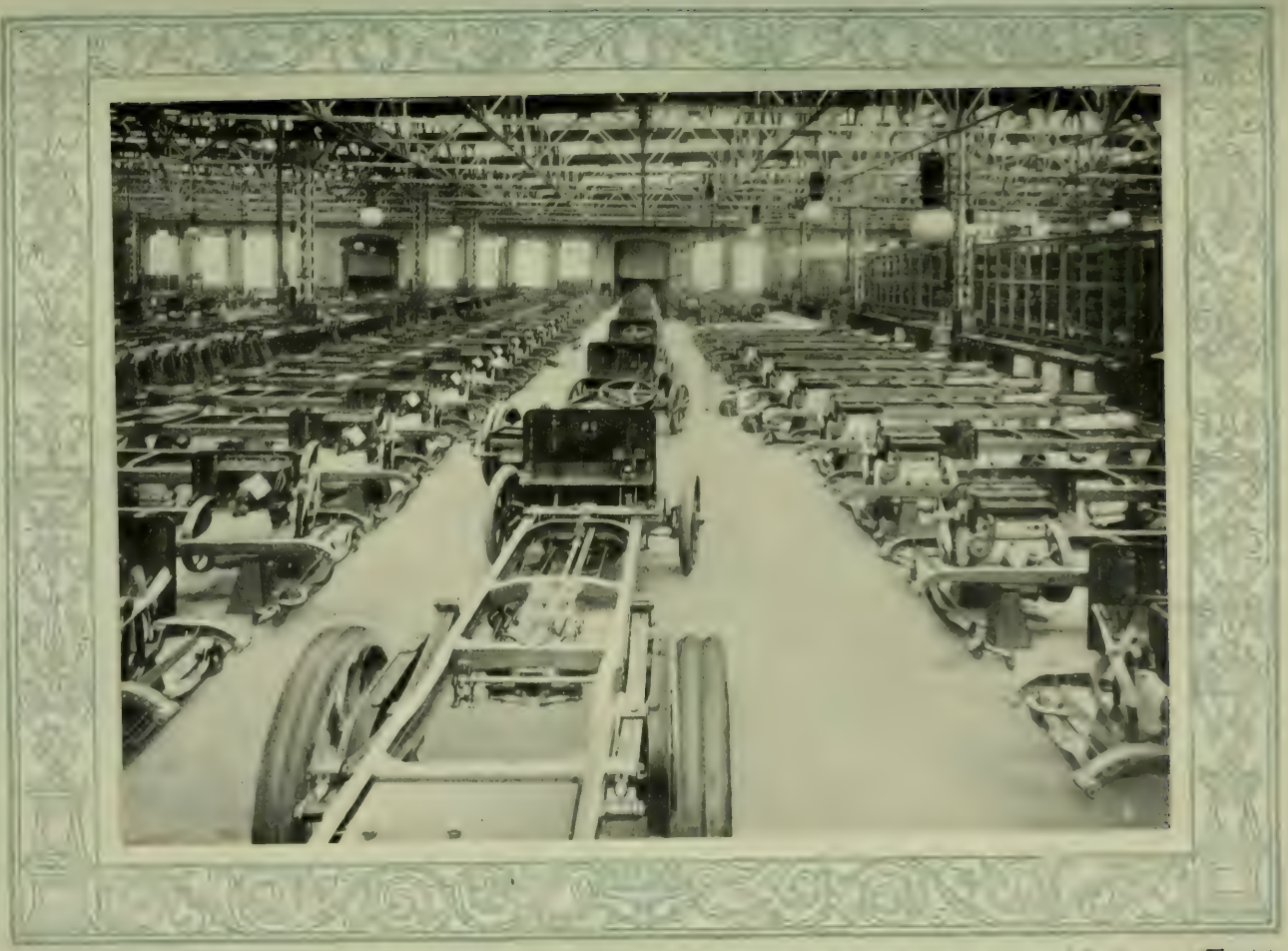
Automobile industry. Lathes (Turin)



Drills in an automobile factory (Turin)

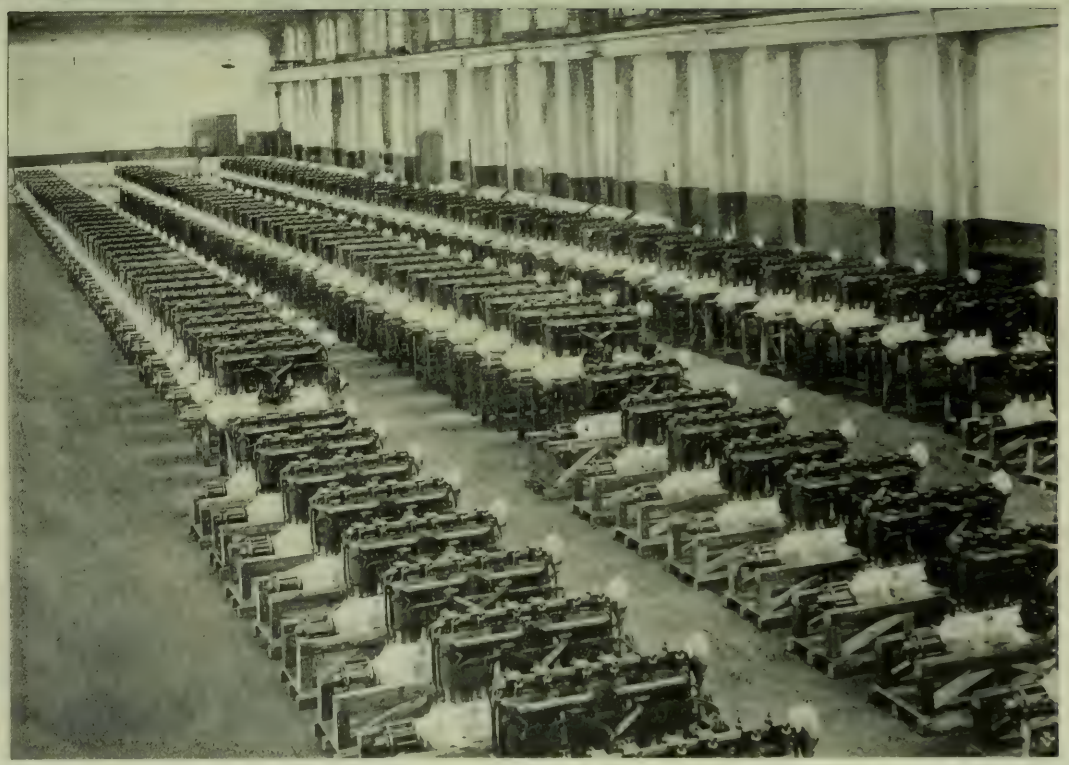


Workshop with lathes and other machinery (Turin)

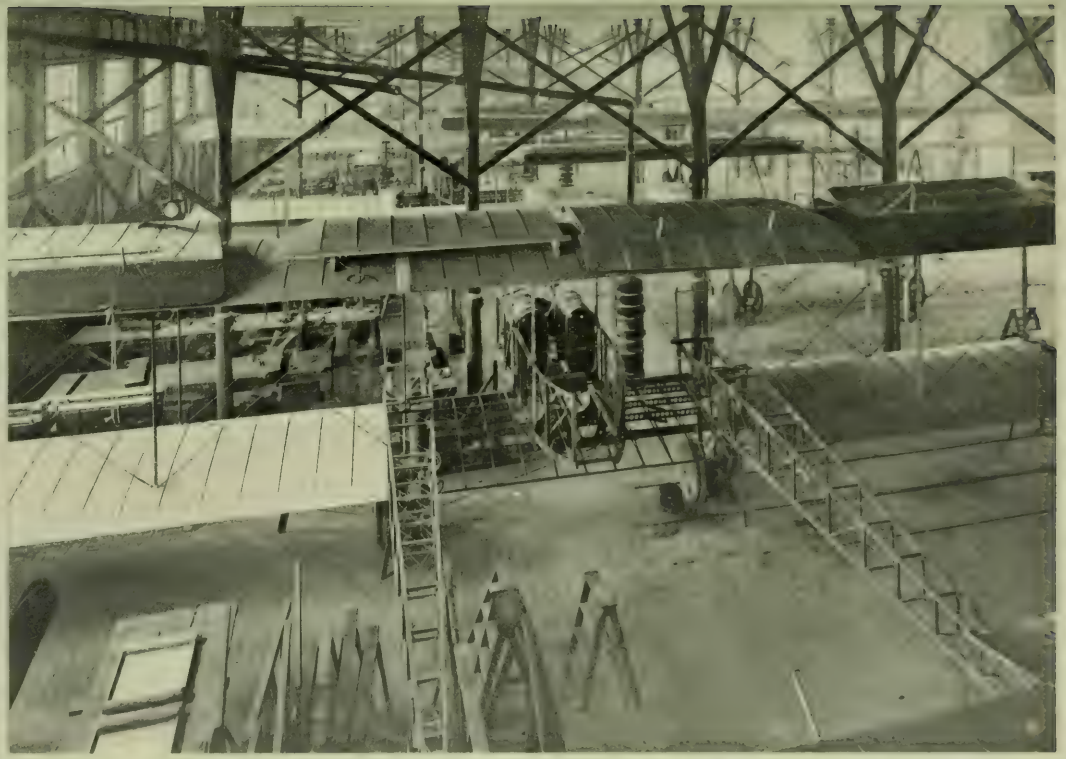


Mounting of chassis in an automobile factory (Turin)

Mounting room for bicycles (Milan)



Rows of motors in a Turin factory



Workshop for assembling biplanes (Milan)

TEXTILE INDUSTRIES

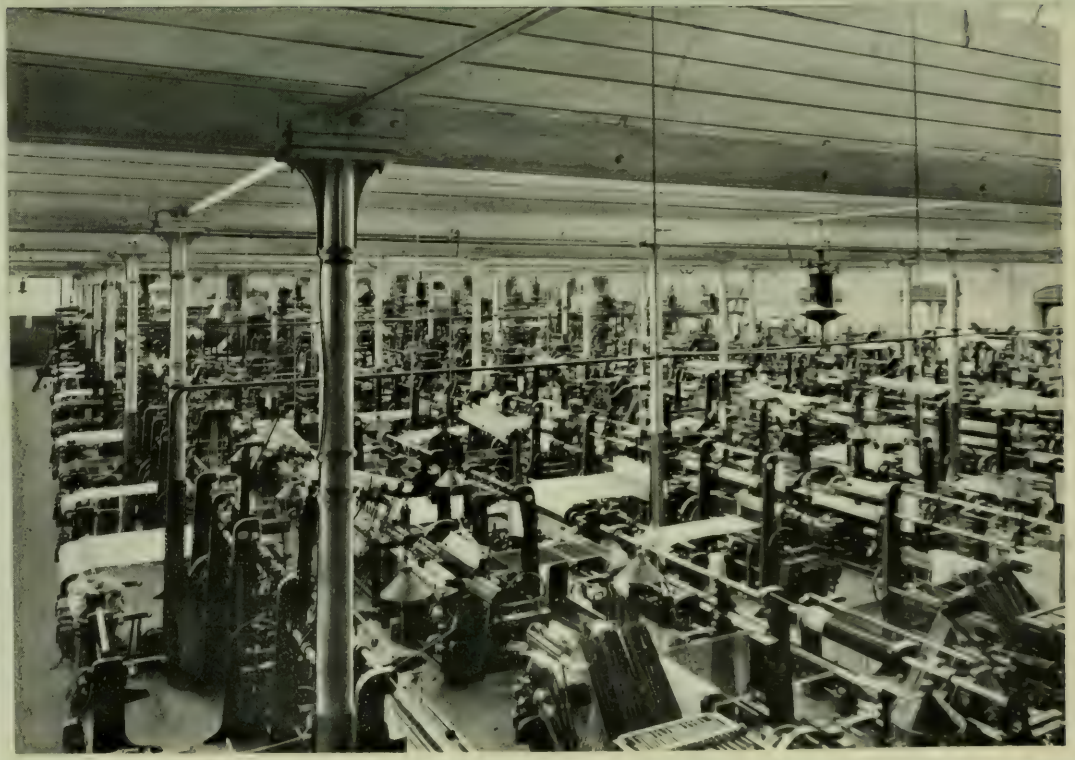
Warehouse for depositing cocoons (Milan)

Room where silk is seasoned (Milan)

Basins for reeling silk (Como)

The silk industry in Lombardy: shuttles

Warp frames and looms in a silk factory (Como)



Surface looms for silk woven material (Como)

Looms in a silk factory in Como

Cotton carding (Cogno, Brescia)

Room in a cotton mill (Cosmos)

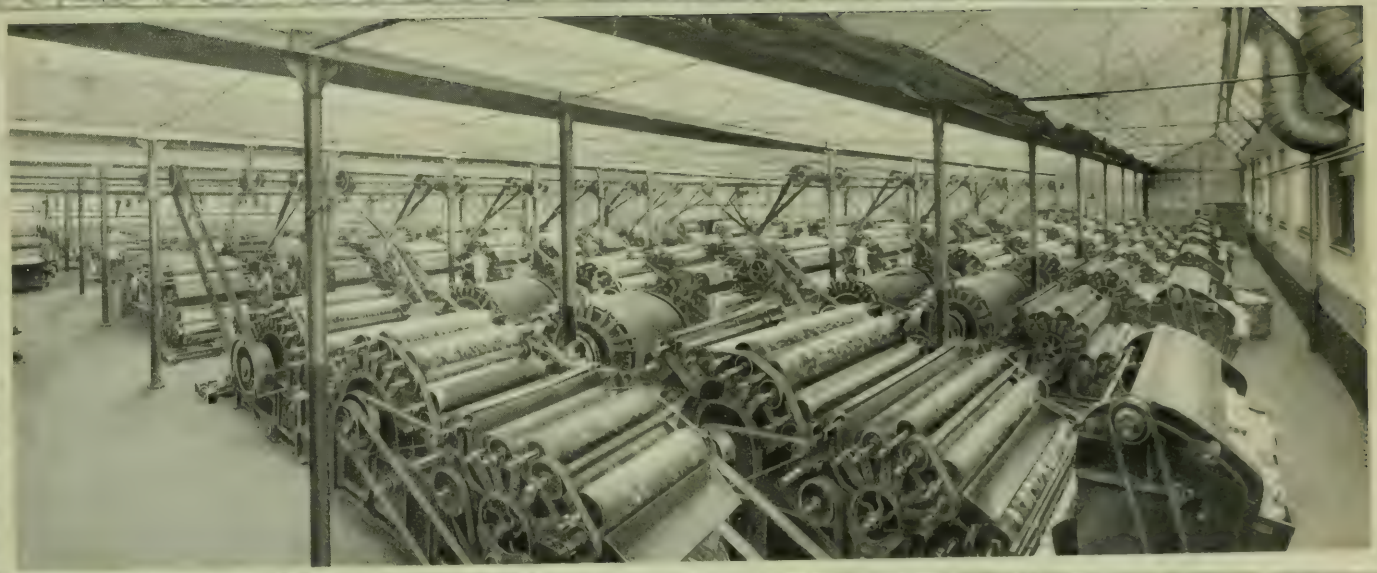
Ring frames in a cotton factory in Lombardy (Castellanza)

Huge establishment of cotton spindles (Legnano)

Looms in a Lombardy cotton factory (Castellanza)

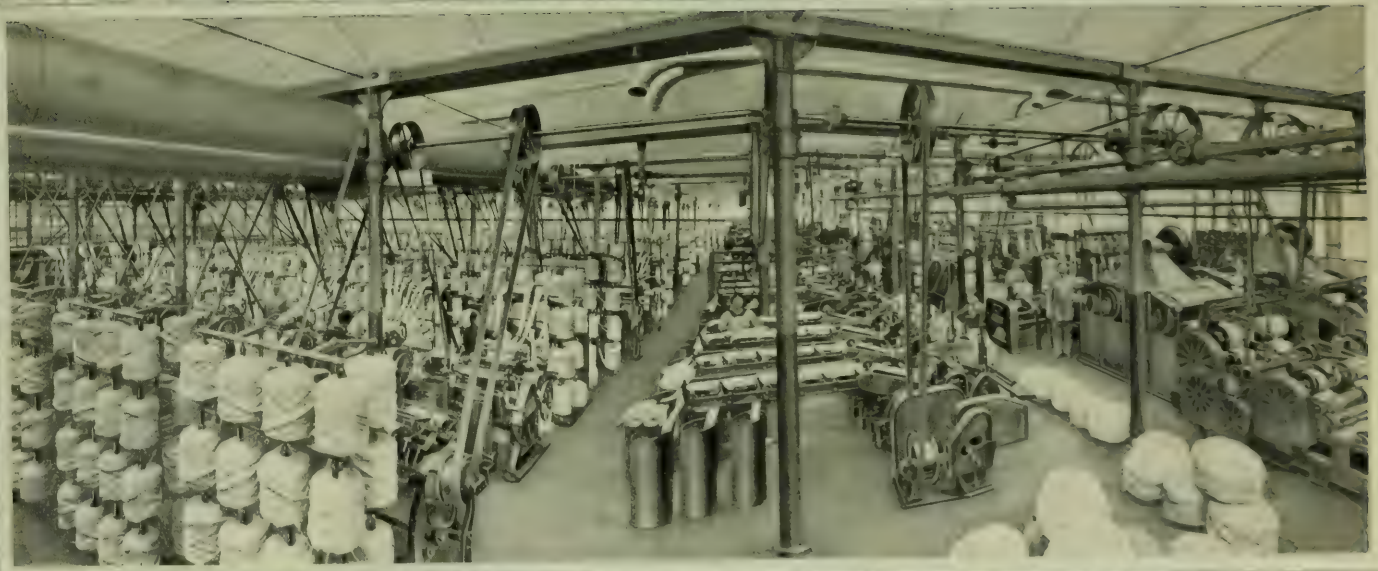
Another room of looms (Legnano)

Cotton reeling machines

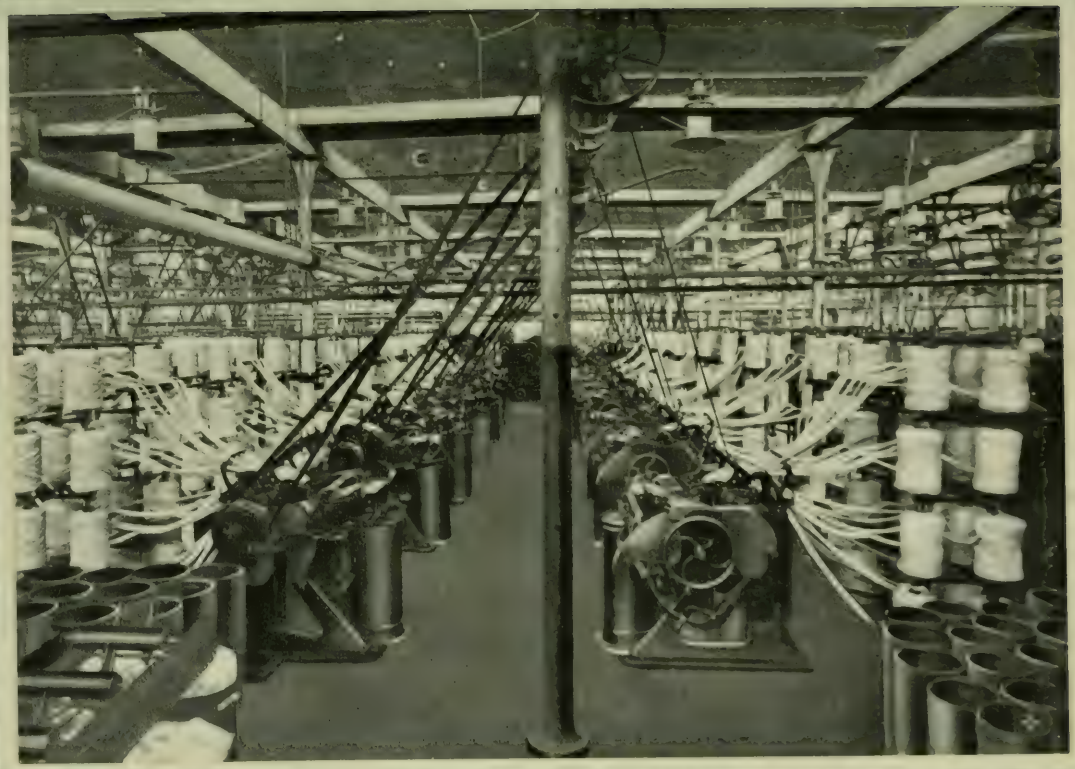


Wool carding (Biella)

Wool combing (Biella)

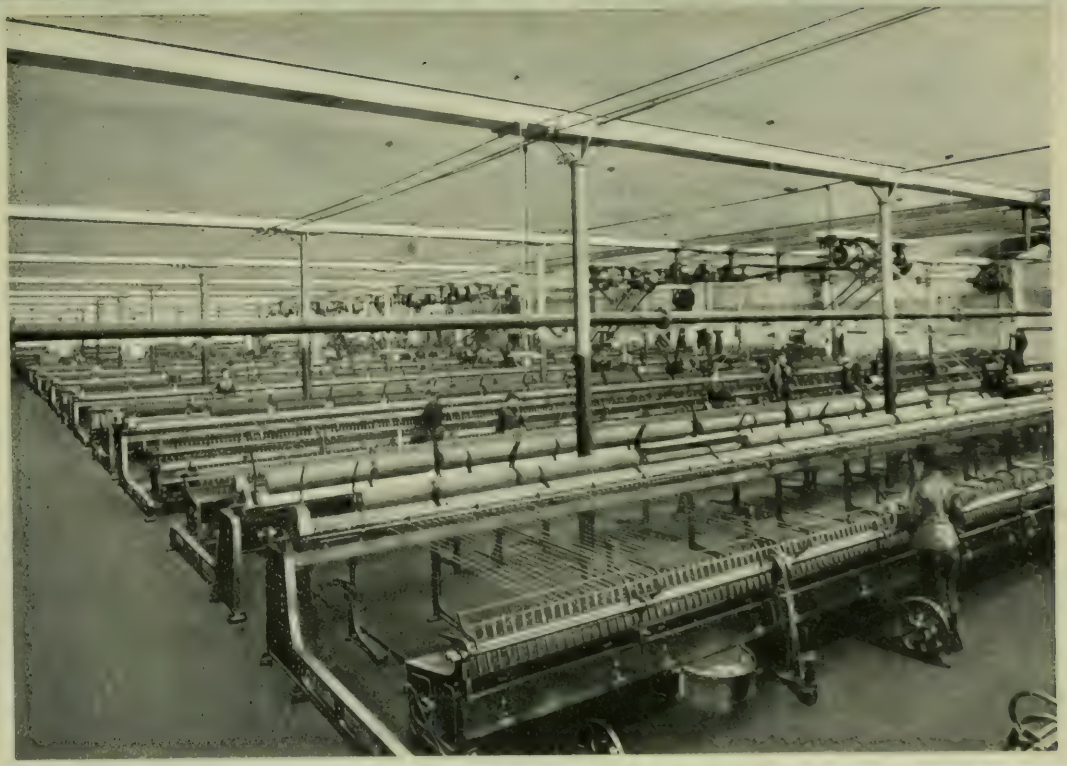


Wool spinning room (Biella)



Another wool spinning room (Maglio di Sopra, Vicenza)

Preparation of woollen thread (Magho di Sopra)

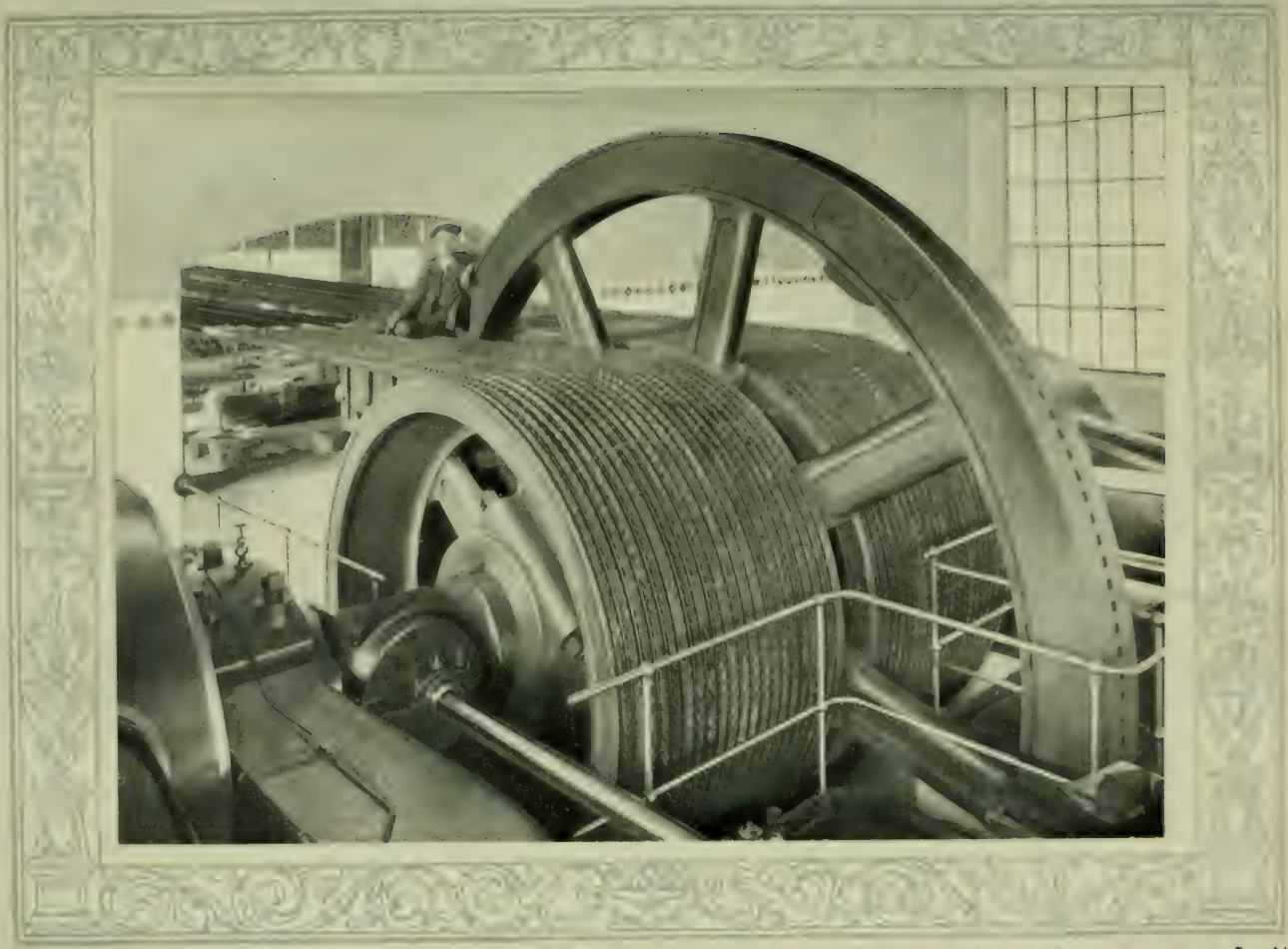


Spinning carded wool (Biella)

Wool weaving (Biella)

Interior of a factory for knitted and woven goods (Milan)

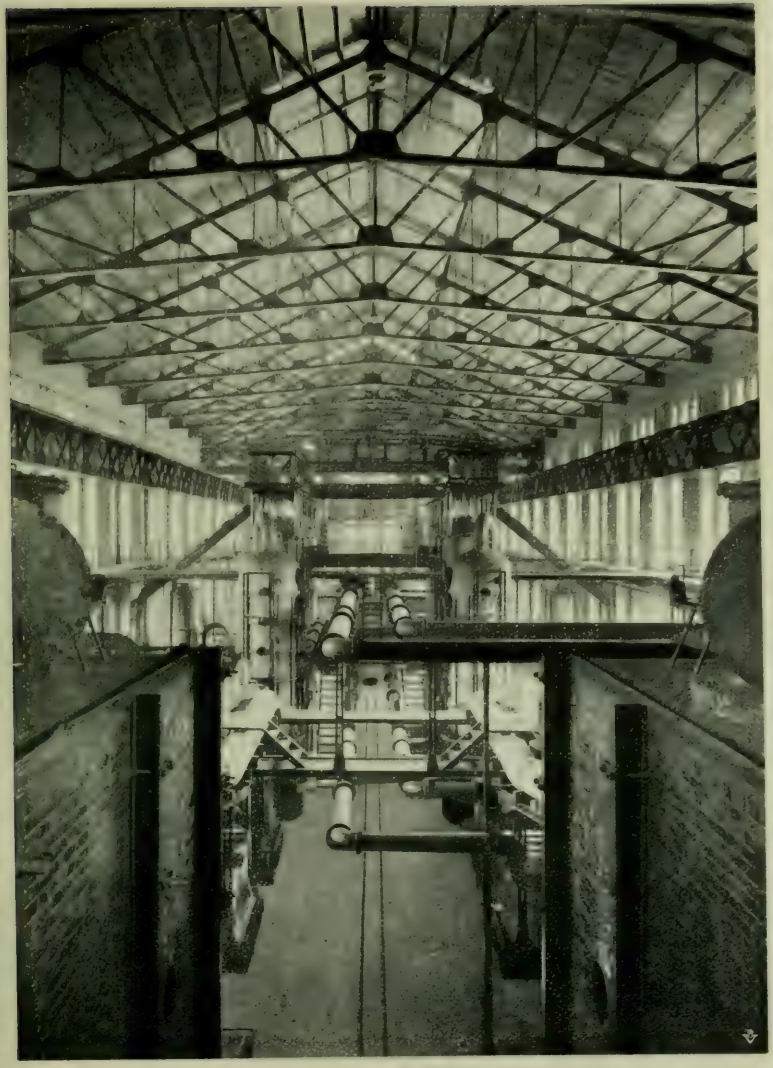
The hemp industry at Lodi. Spinning room with reeling machines



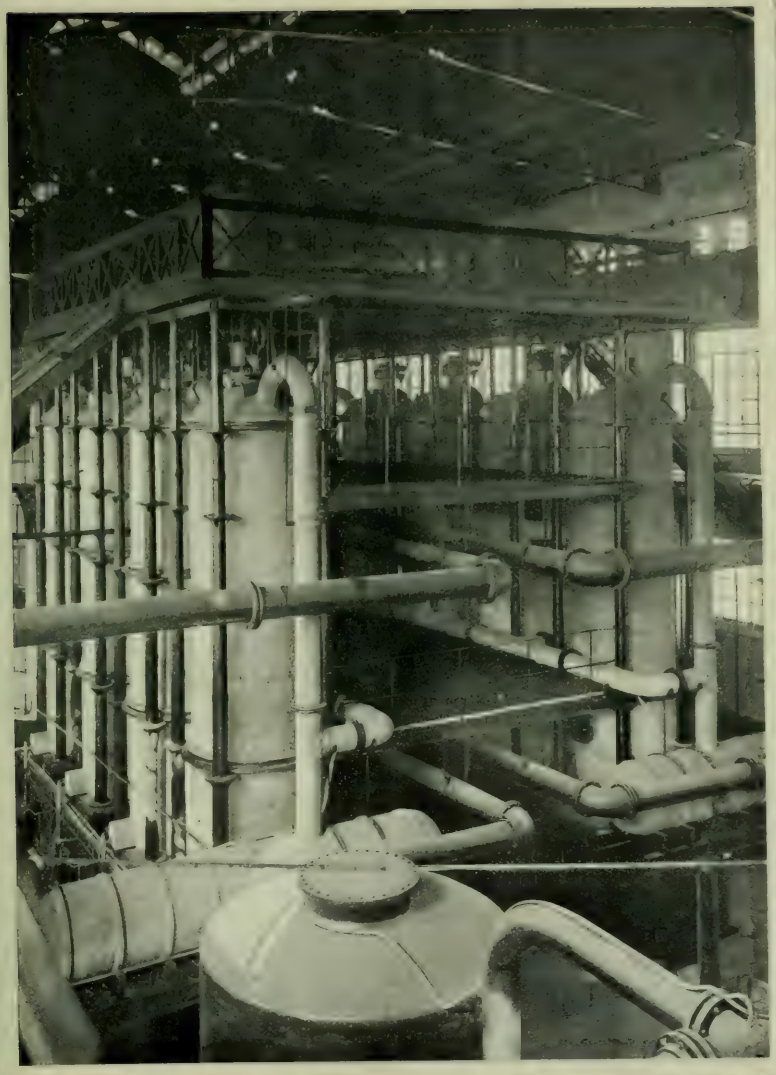
Belting made in a hemp factory at Lodi

CHEMICAL INDUSTRIES

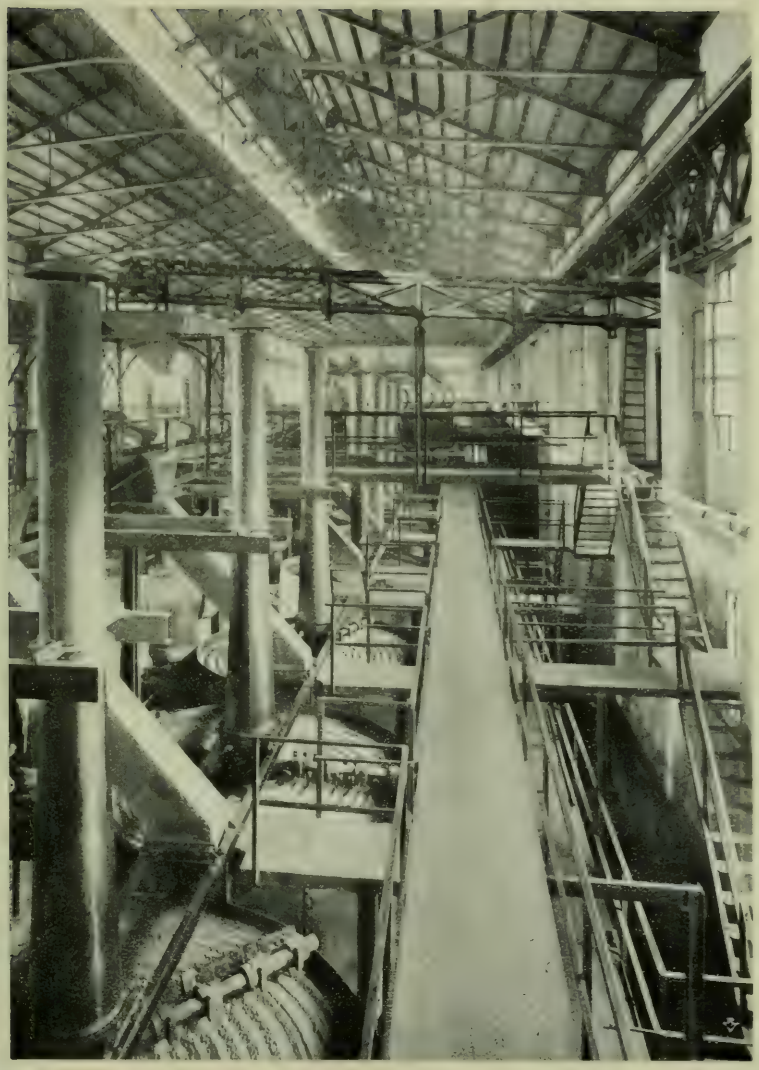
Sulphuric acid works at Cengio (Liguria)



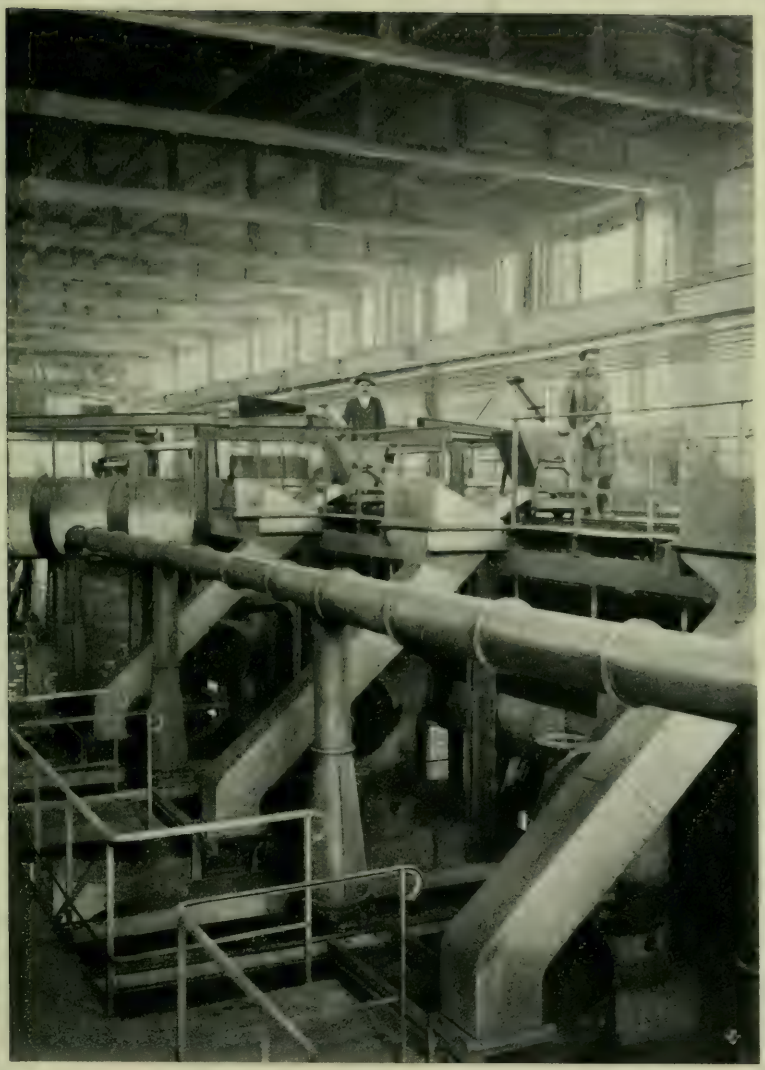
Another sulphuric acid factory at Cengio



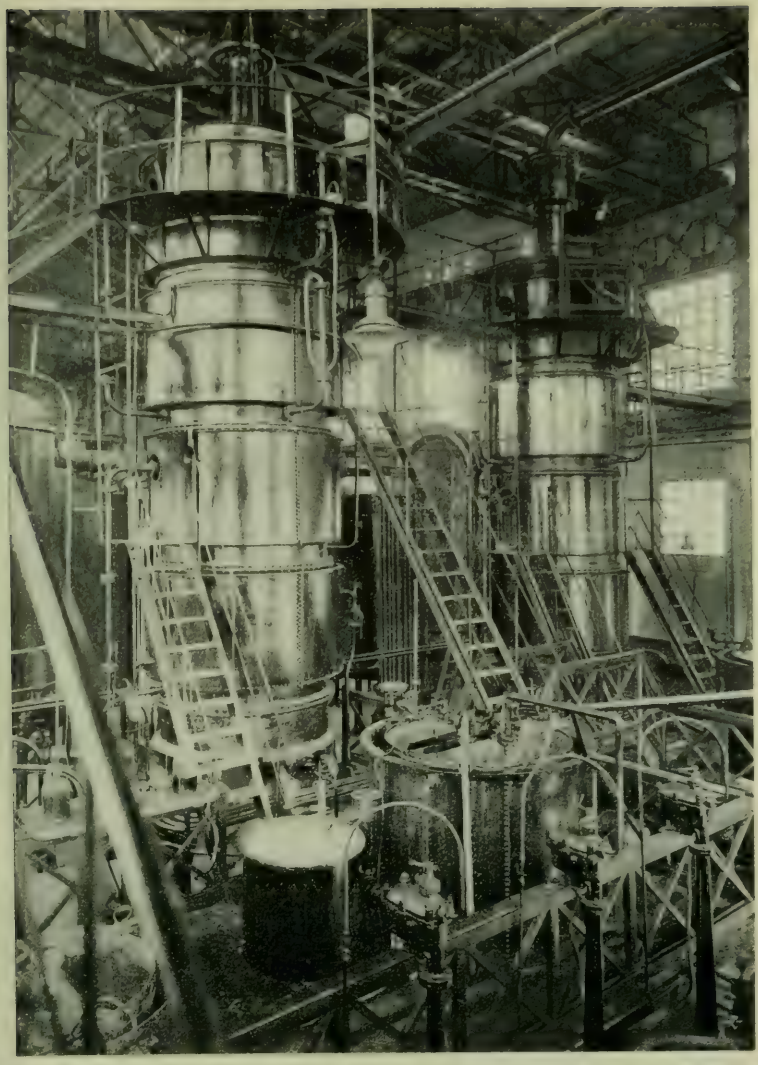
Washing towers for sulphuric acid (Cengio)



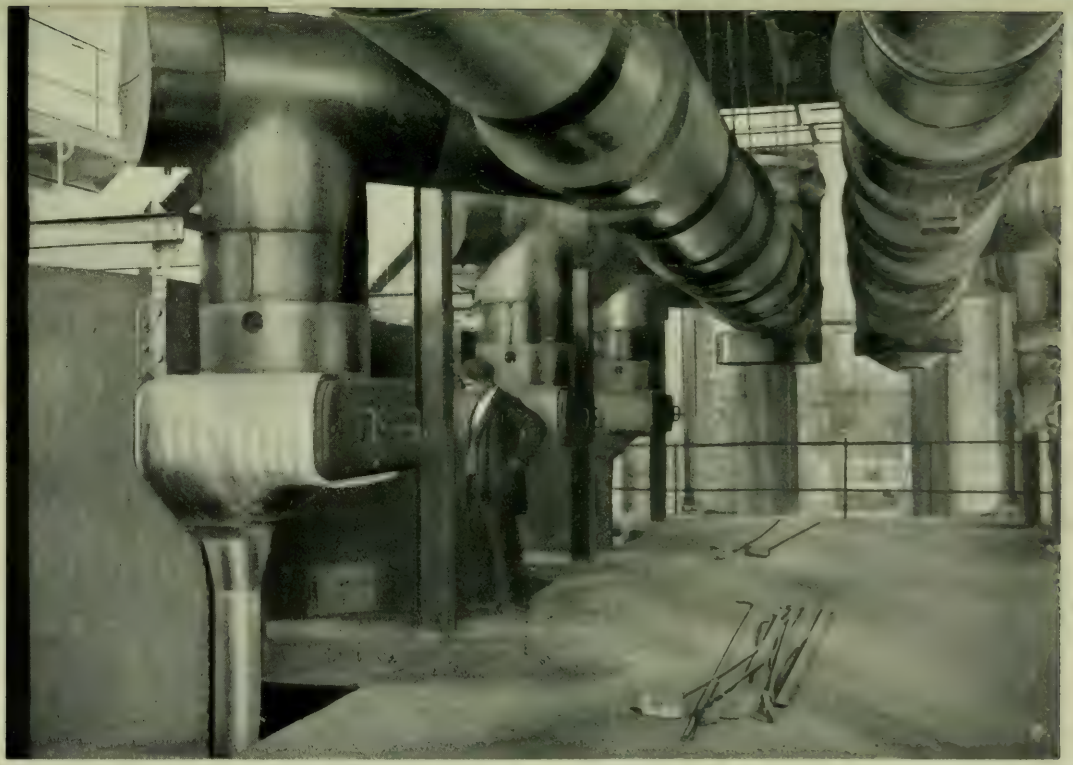
Furnaces for pyrites (Cengio)



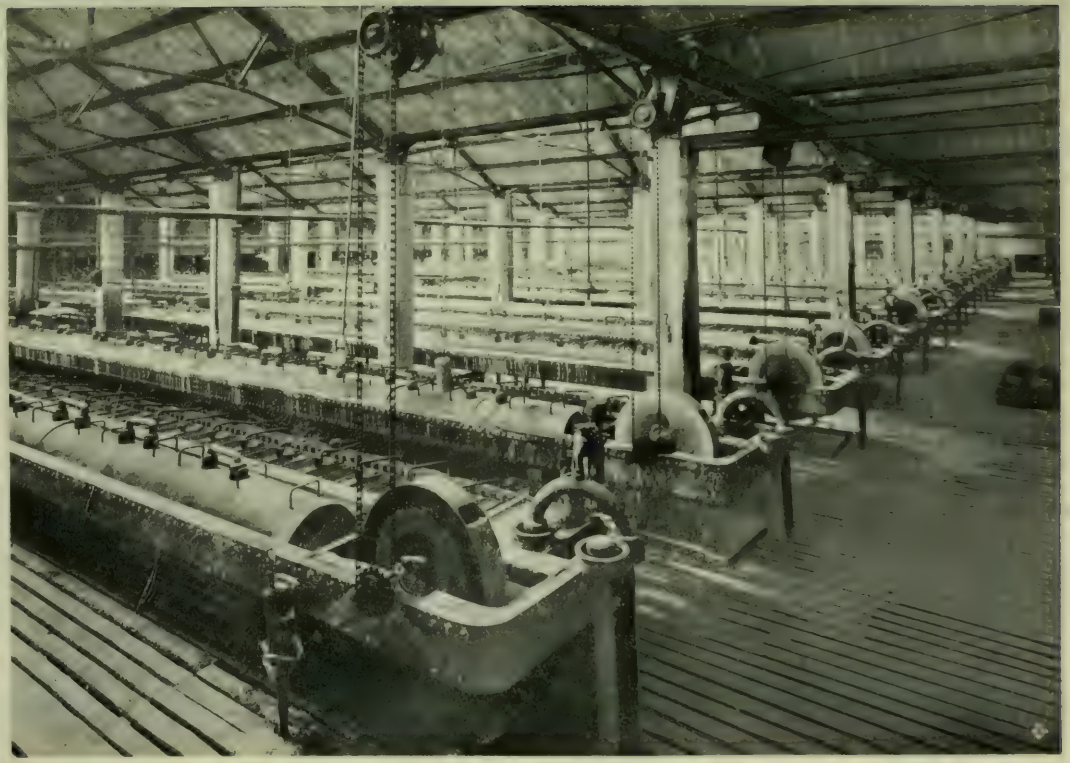
Hoppers for charging the pyrites furnaces (Cengio)



Absorption towers for sulphuric anhydride (Cengio)

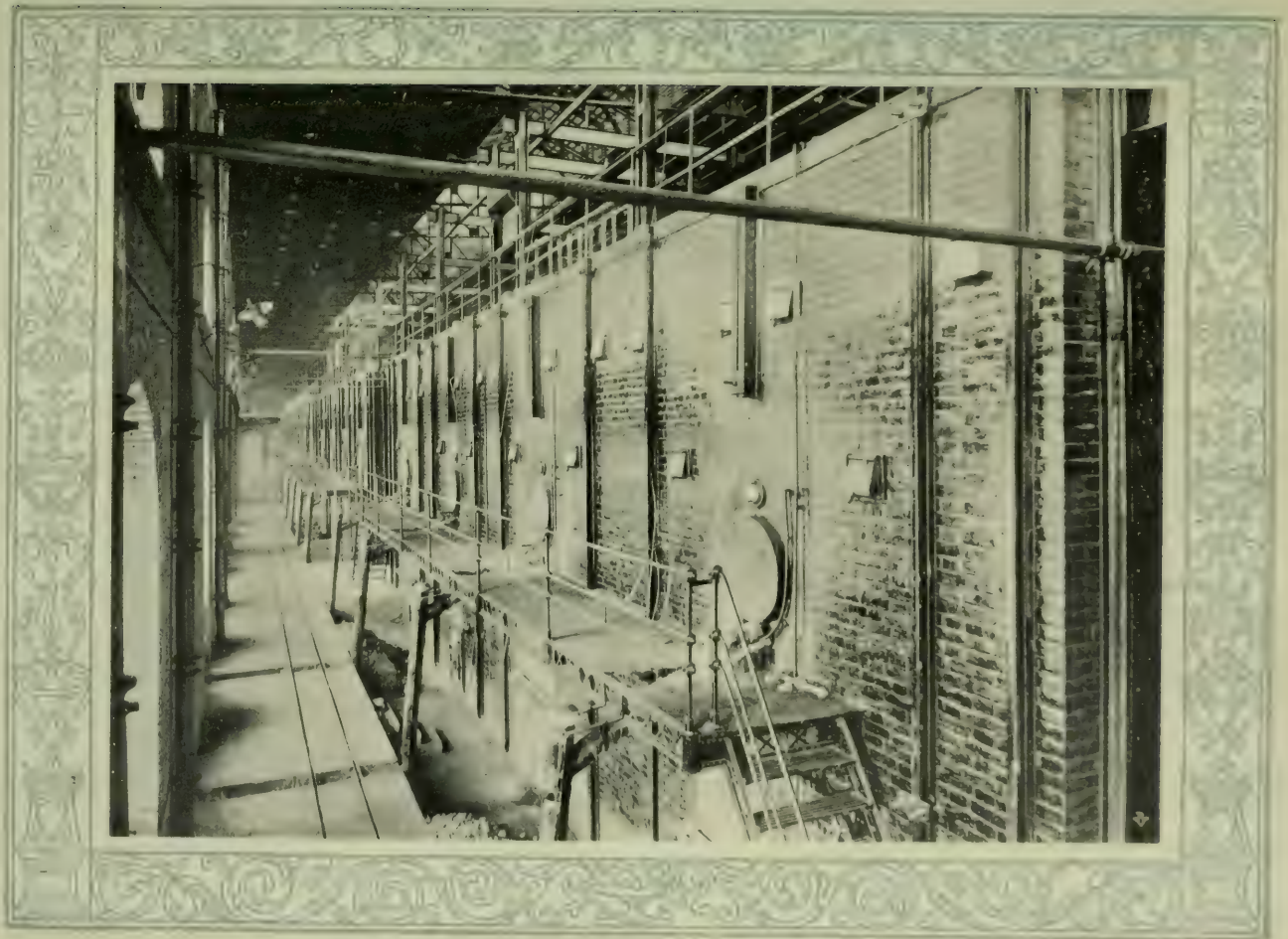


Collecting tubes for sulphuric anhydride (Cengio)

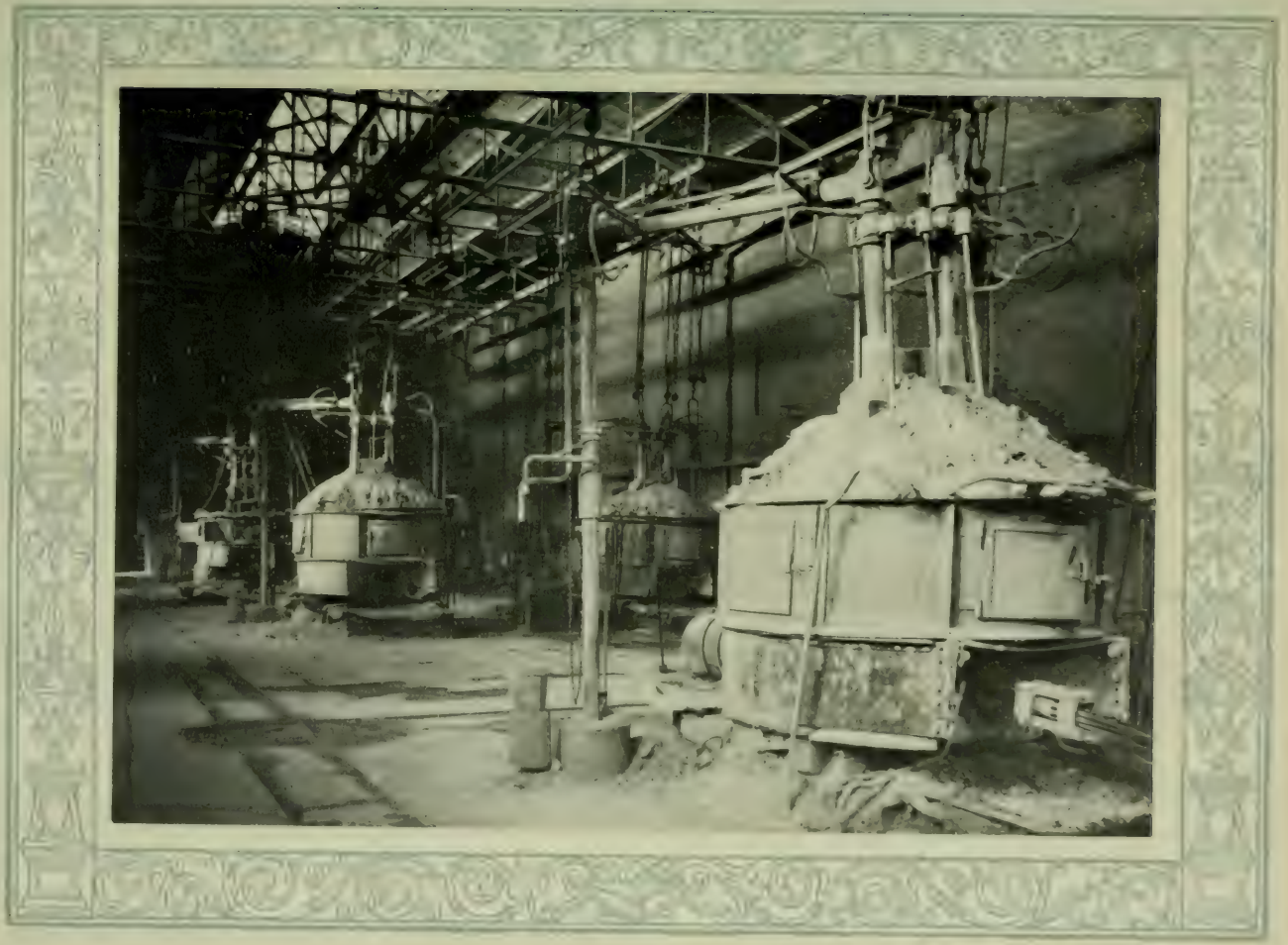


Electrolytic treatment of sodium chloride (Brescia)

Another room for the electrolytic treatment of sodium cloride (Naples)



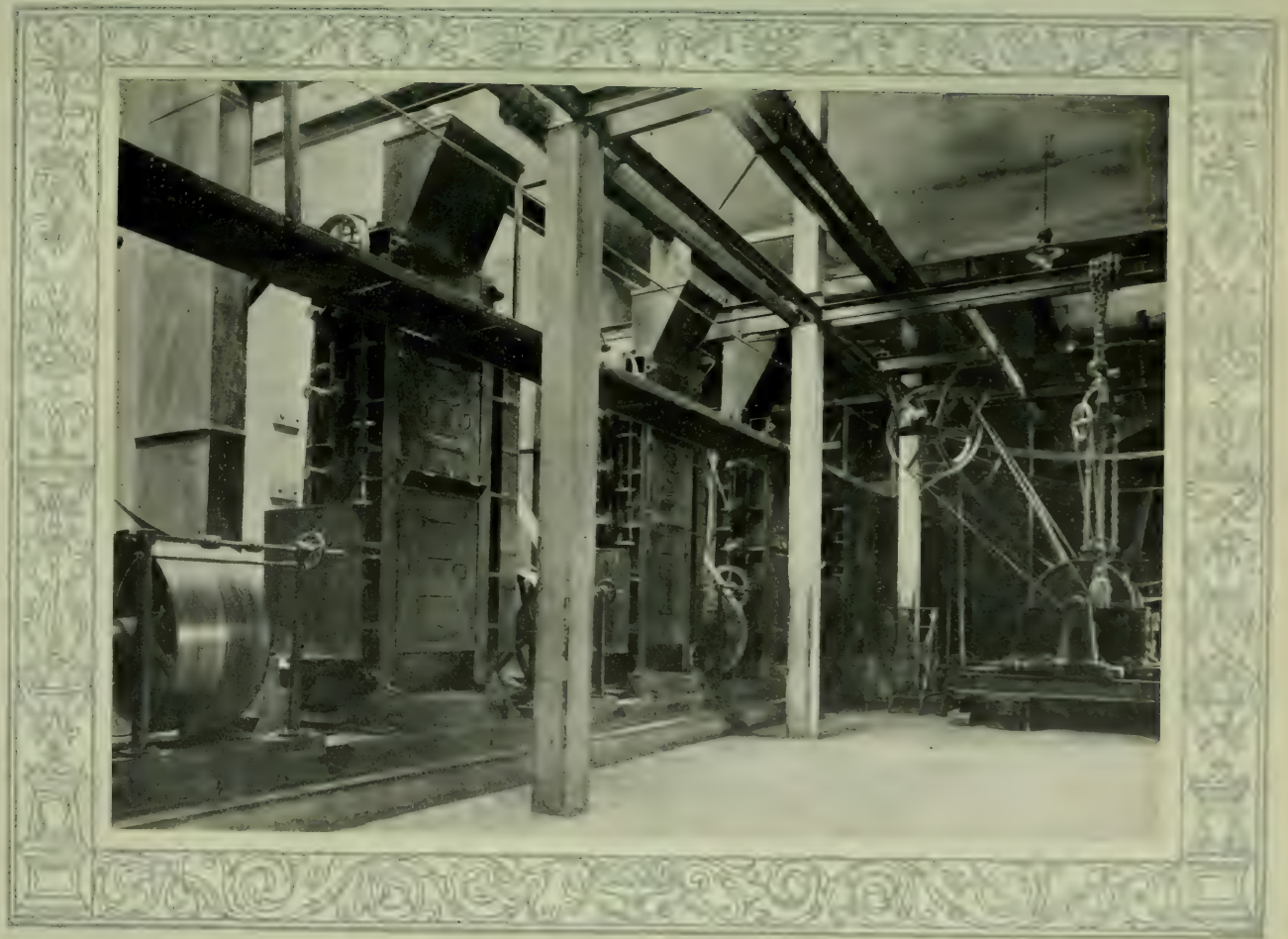
Furnaces for nitric acid (Cengio)



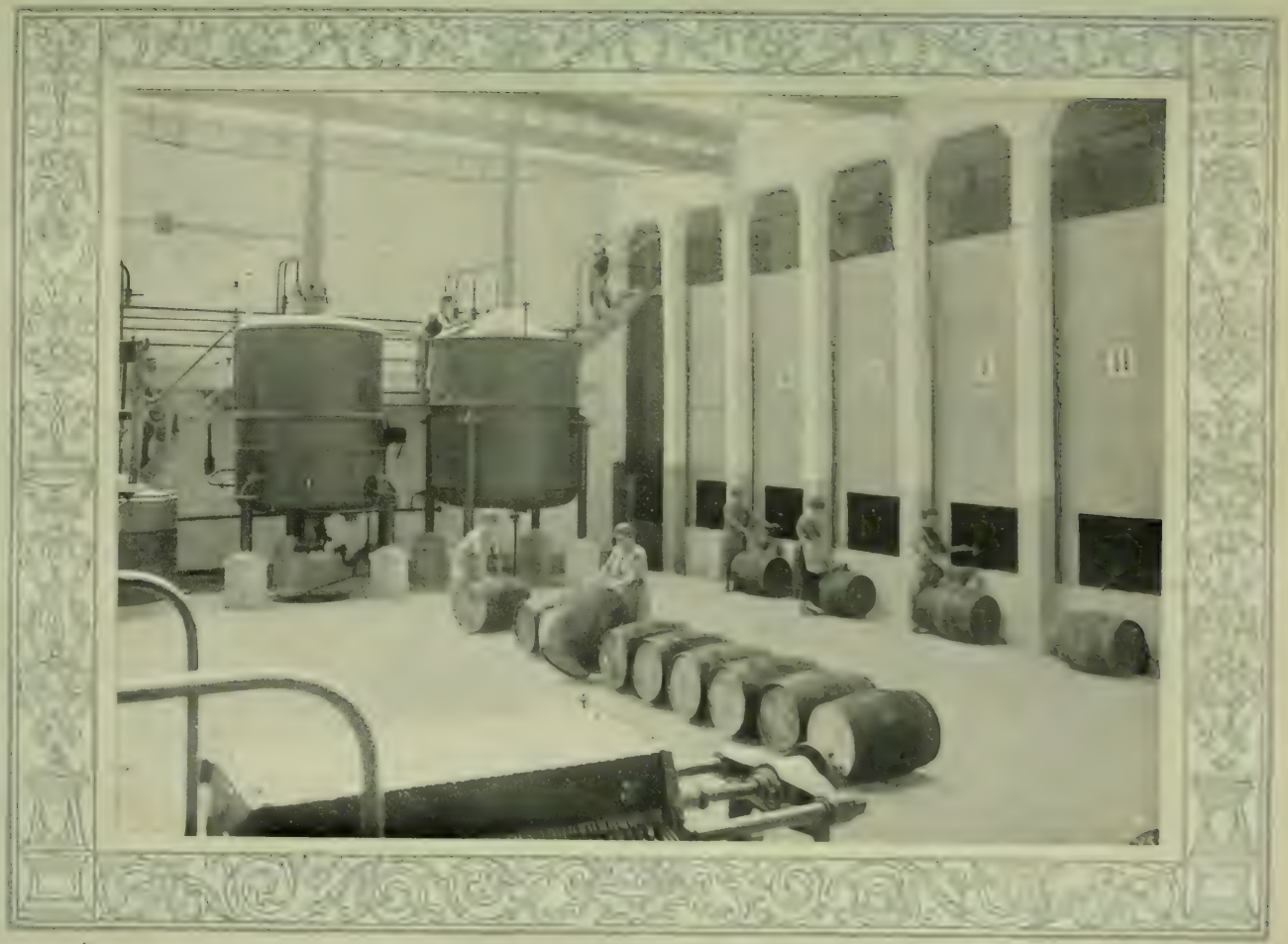
Electric furnaces for the production of calcium carbide (Terni)

Grinding chlorate of soda (Ivrea)

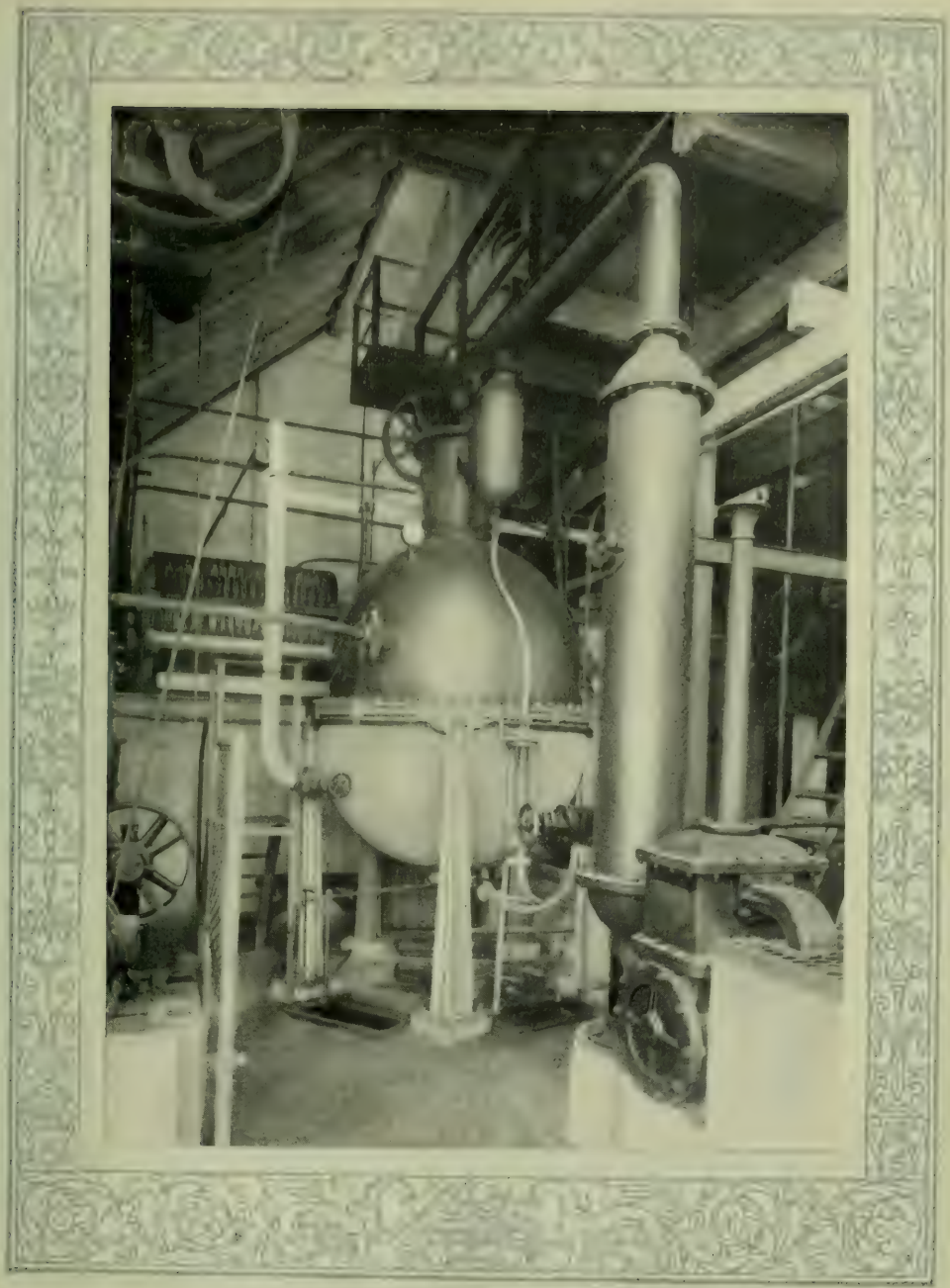
Laboratory for chemical-pharmaceutical products (Milan)



Press for industrial oils (Trieste)



Depots for the expedition of industrial oils in Liguria



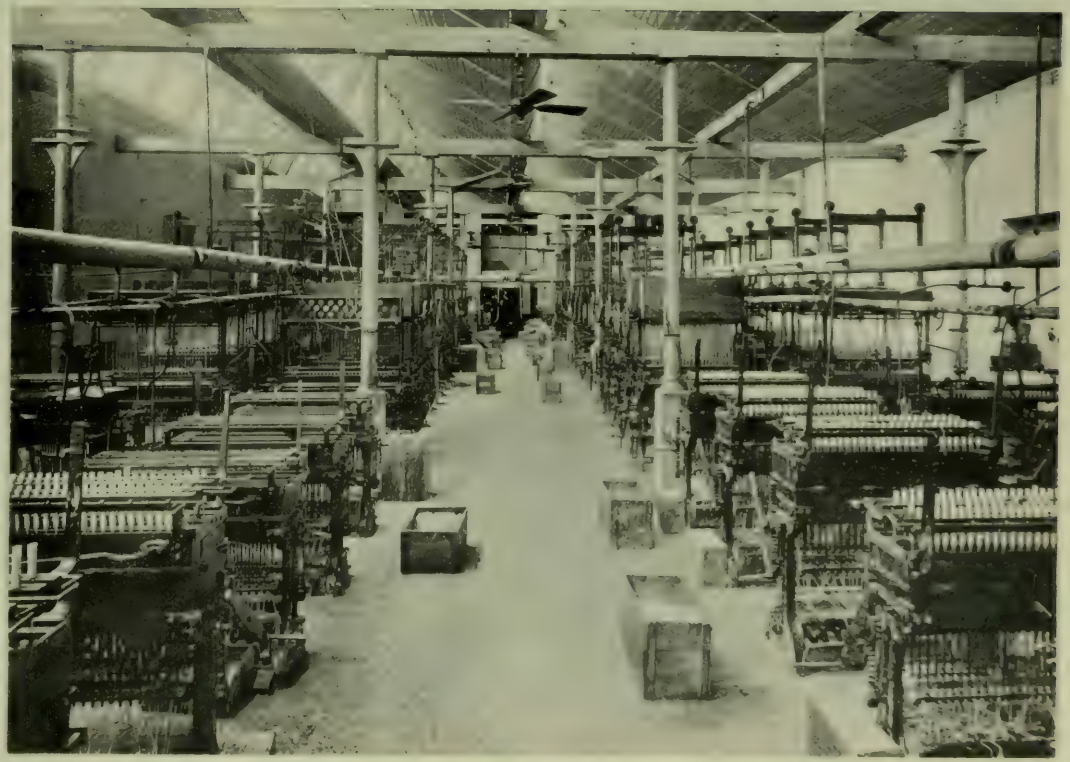
Concentration and refining of glycerine (Liguria)

Plant for the saponification of fats in the preparation of glycerine (Liguria)

Boilers for the manufacture of soap (Legborn)

Preparation of common soaps (Milan)

Manufacture of scented soaps (Milan)



Moulding room in a candle factory (Mira, Venice)

The stearic industry at Rivarolo, Liguria

FOOD INDUSTRIES

Establisbment containing 76 cement vats for wine pressing in the Lecce district

Glazed cement vats for keeping wine (Galatina in Apulia)

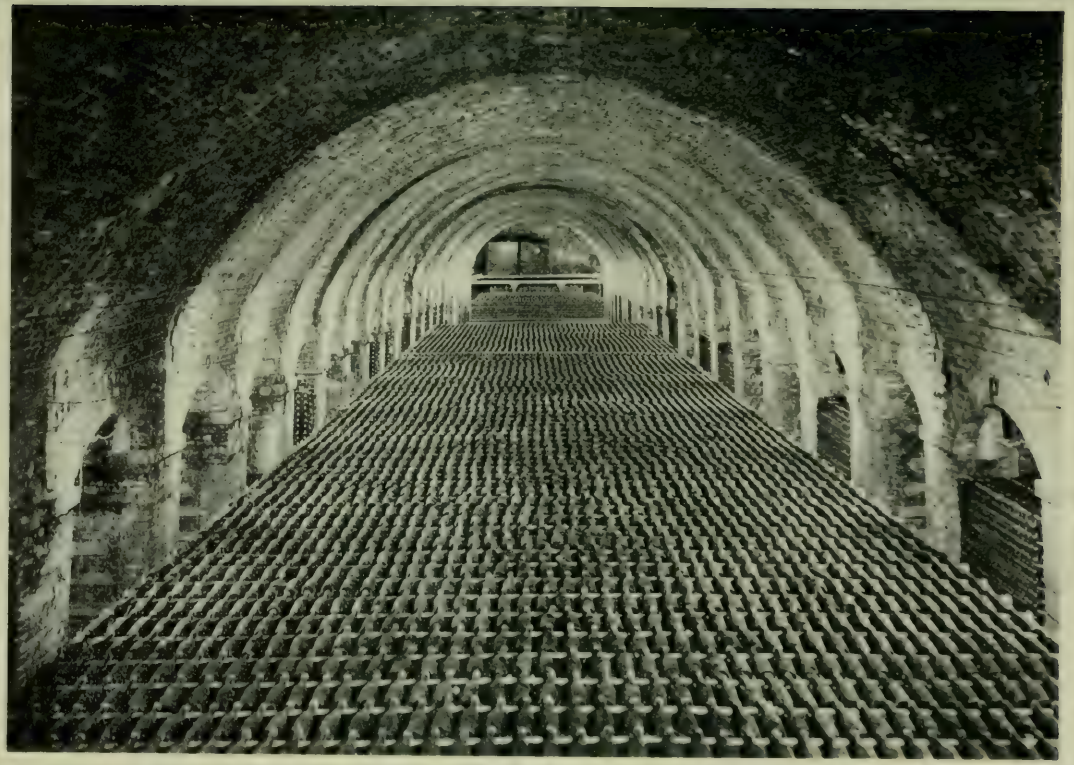
Another cellar with glazed cement vats for keeping wine, in the Leece district

Wine casks of cement and glass in a wine factory in Tuscany

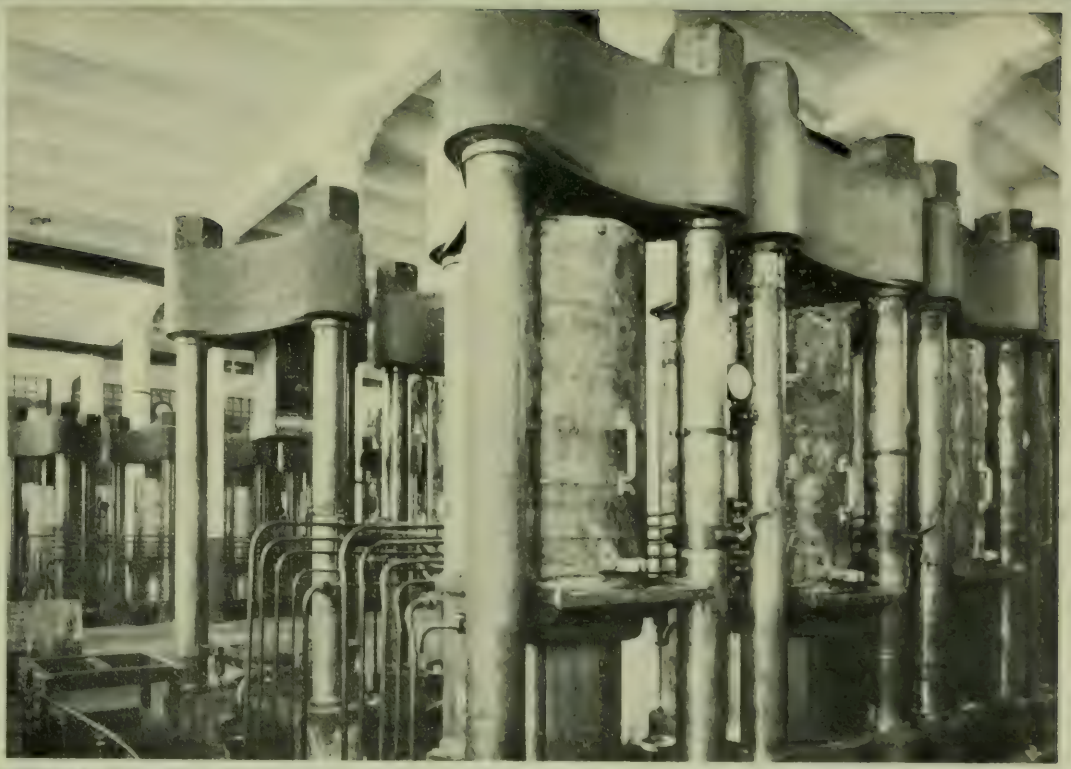
A large store of wine in casks of 700 hectolitres capacity each (Barletta)

Cellar for maturing wine (Brescia)

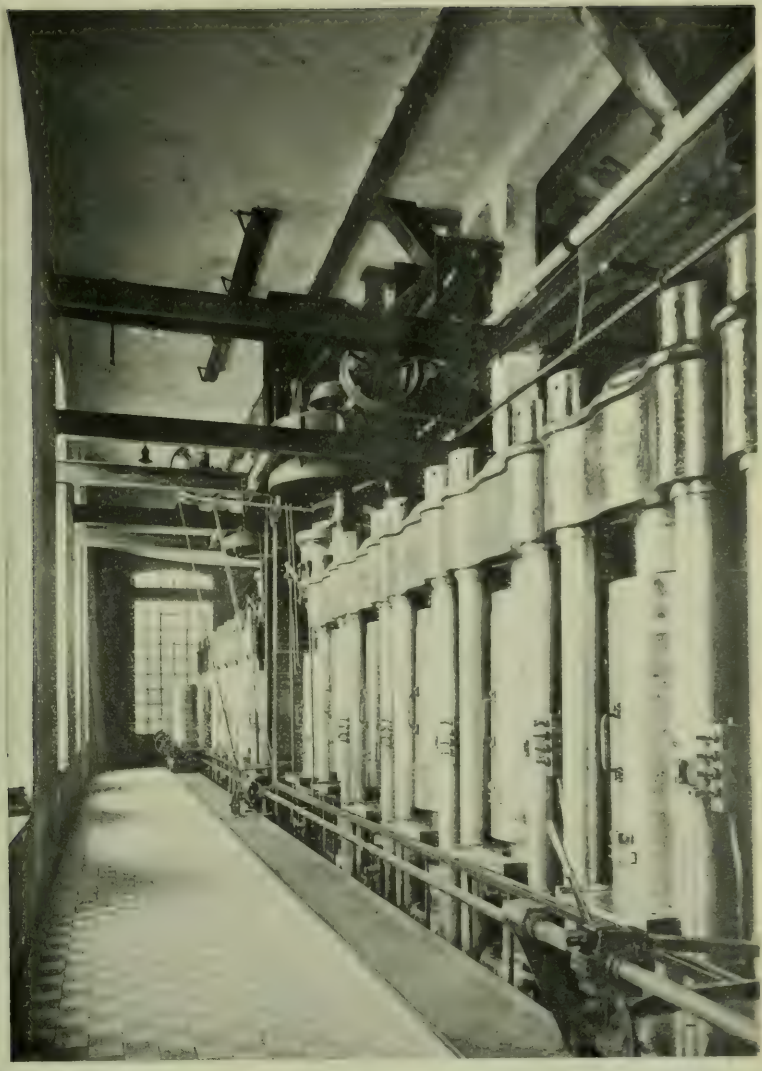
Casks of 500 hectolitres capacity each (Brescia)



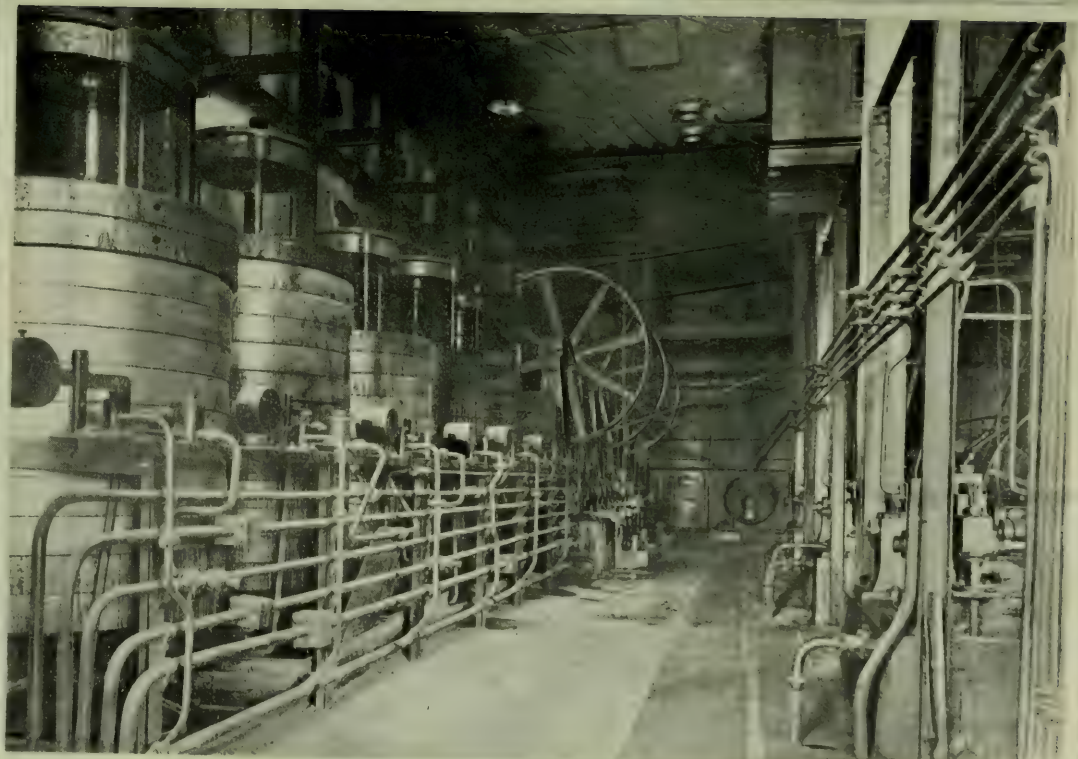
A store of rare wine in Piedmont



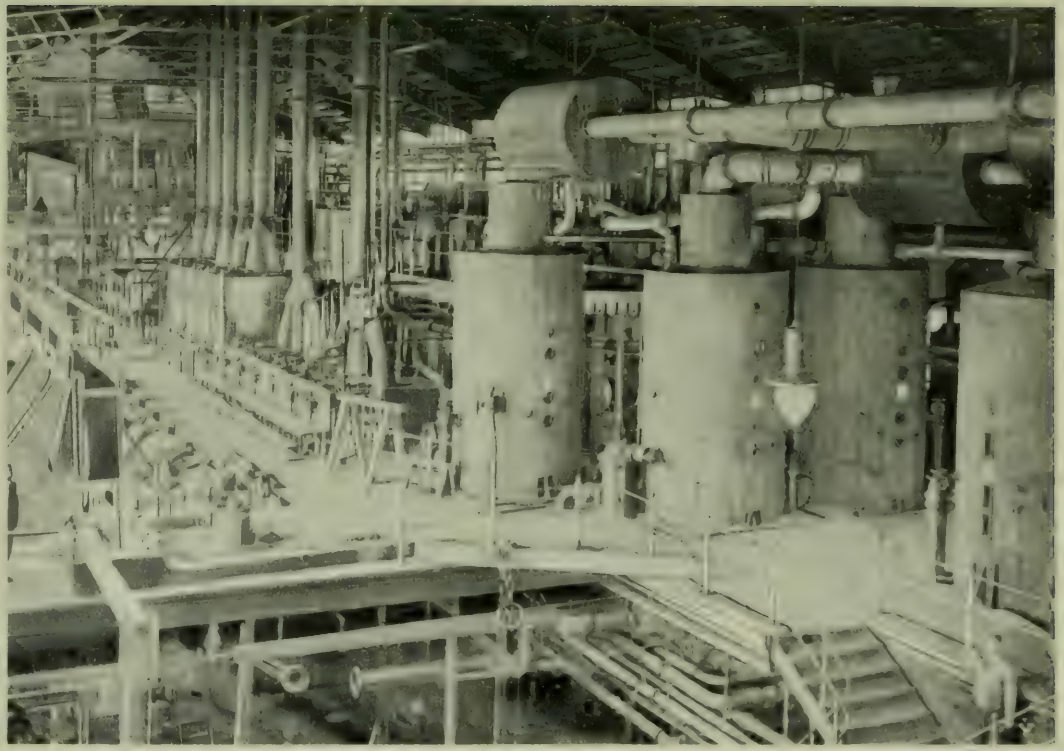
The olive oil industry in Liguria. Olive oil presses at Rivarolo



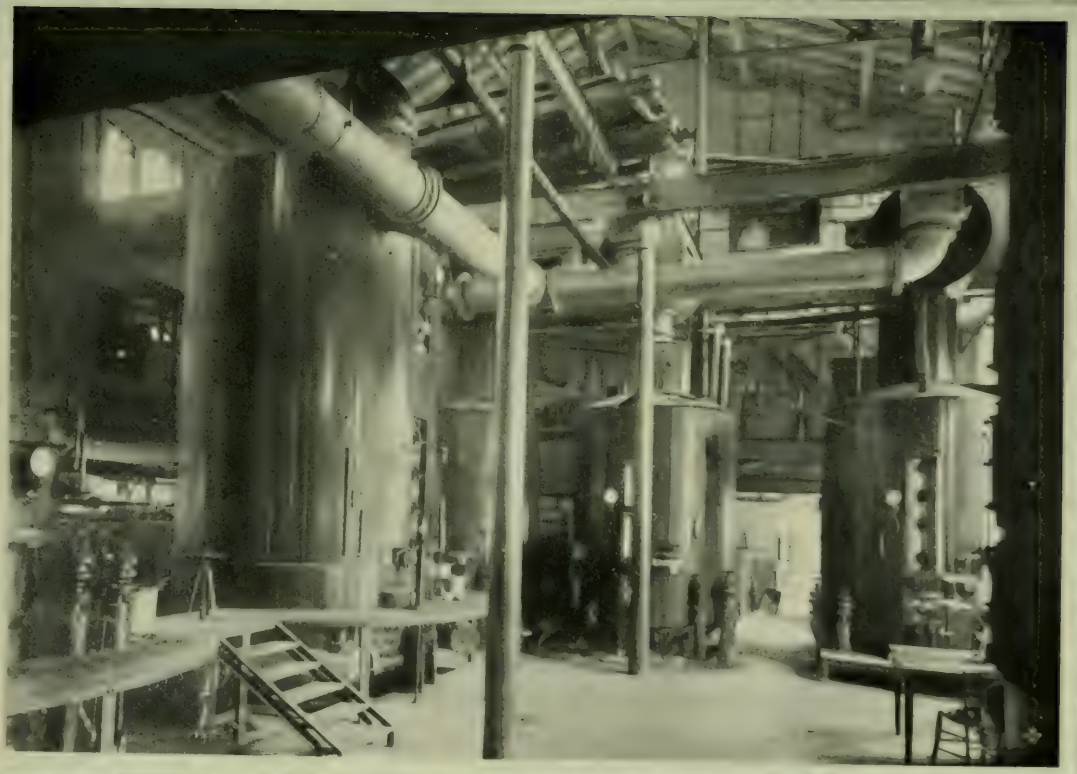
Presses in an oil factory at Trieste



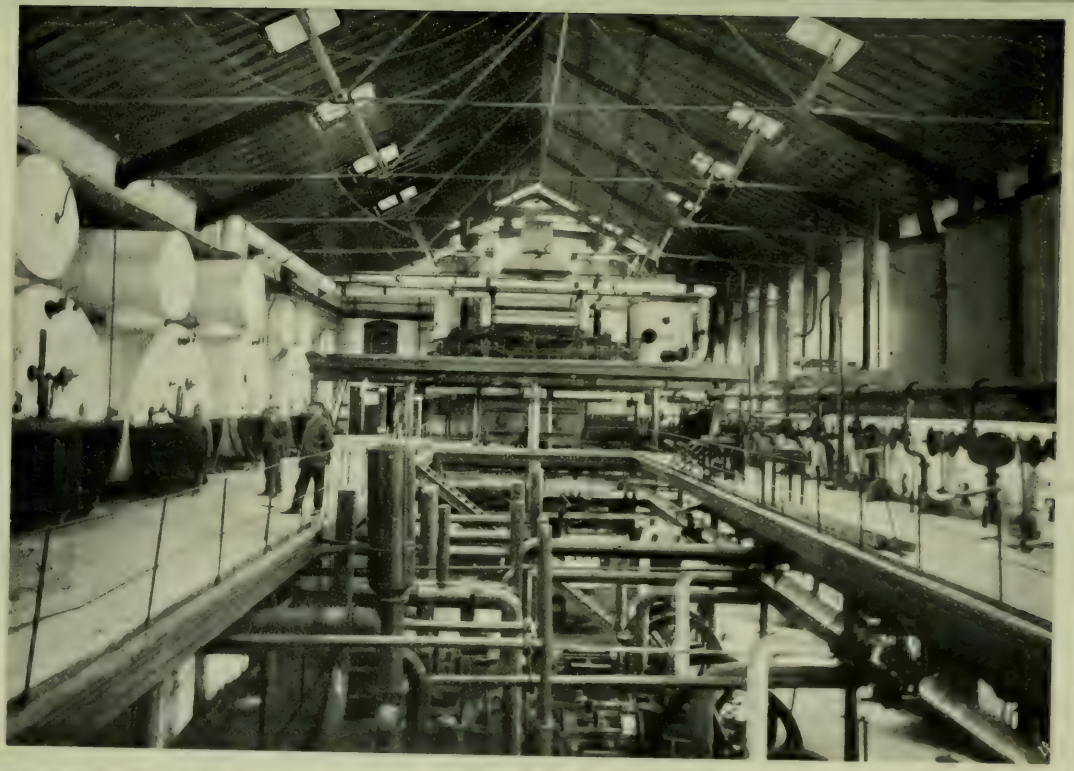
Pumps and accumulators for making table oils at Trieste



General view of the interior of a sugar factory (Forlì)



Apparatus for boiling and crystallising sugar in a factory in the district of Ferrara (Pontelagoscuro)

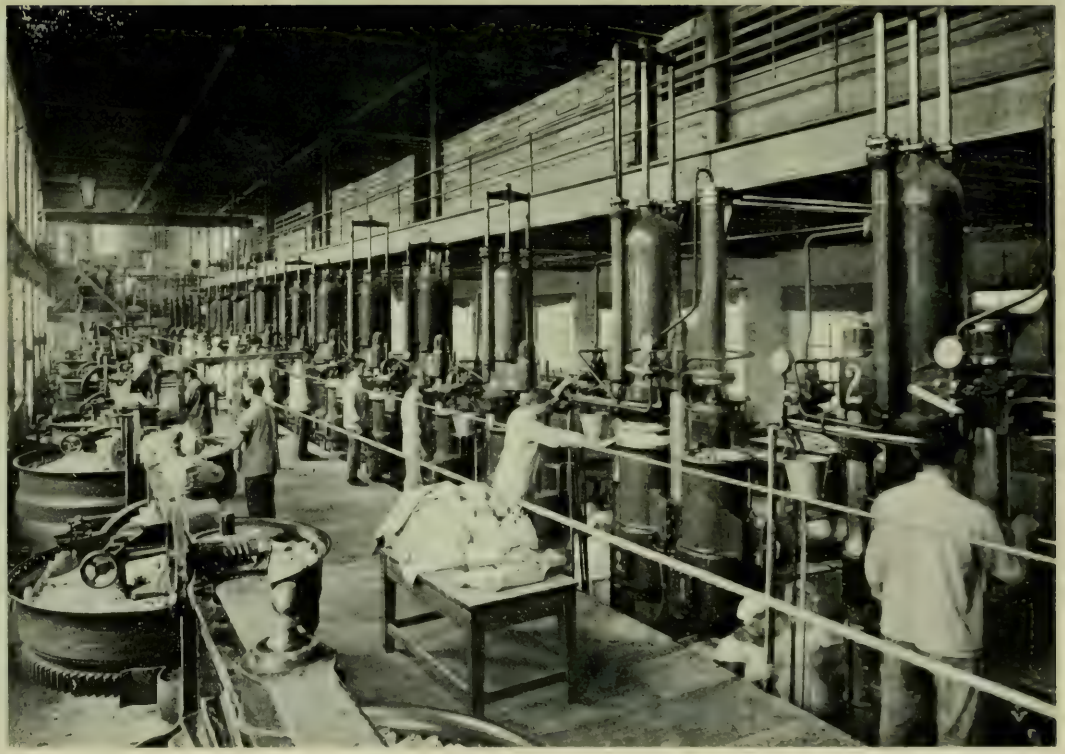


Boiling room in a sugar factory (Ostiglia)

Corn ensilage (Naples)

Water mill on a Venetian lagoon

Mill at Sampierdarena



Kneading troughs and presses in a Lombardy wheaten paste factory (Milan)

Presses for wheaten paste (spaghetti, macaroni etc.) (Milan)

Drying room in a wheaten paste factory (Milan)

Factory for preparing tomato sauce etc. (Mammiano, Parma)

Packing preserved tomatoes (Mammiano)

Boilers for making dry cheeses (Soresina, Cremona)

Establishment for the maturing of cheeses at Corsico (Milan)

Condensed milk factory (Cremona)

Making up pats of butter (Milan)

A catch of tunny at Favignana (Sicily)

OTHER INDUSTRIES

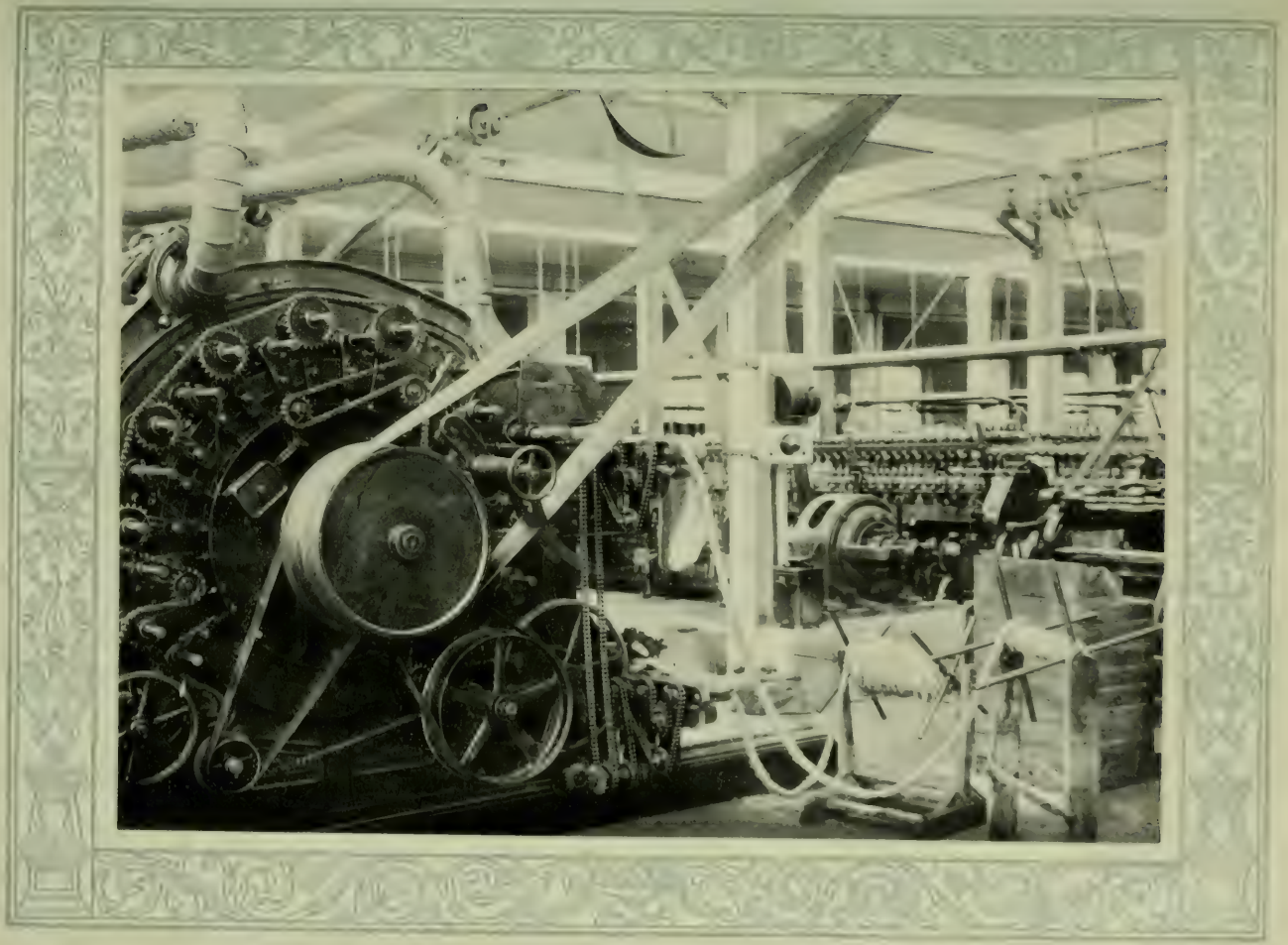
Factory for the preparation of rubber in Milan (Ponte Seveso)

Another Lombardy factory for rubber preparations (Milan, Bicocca)

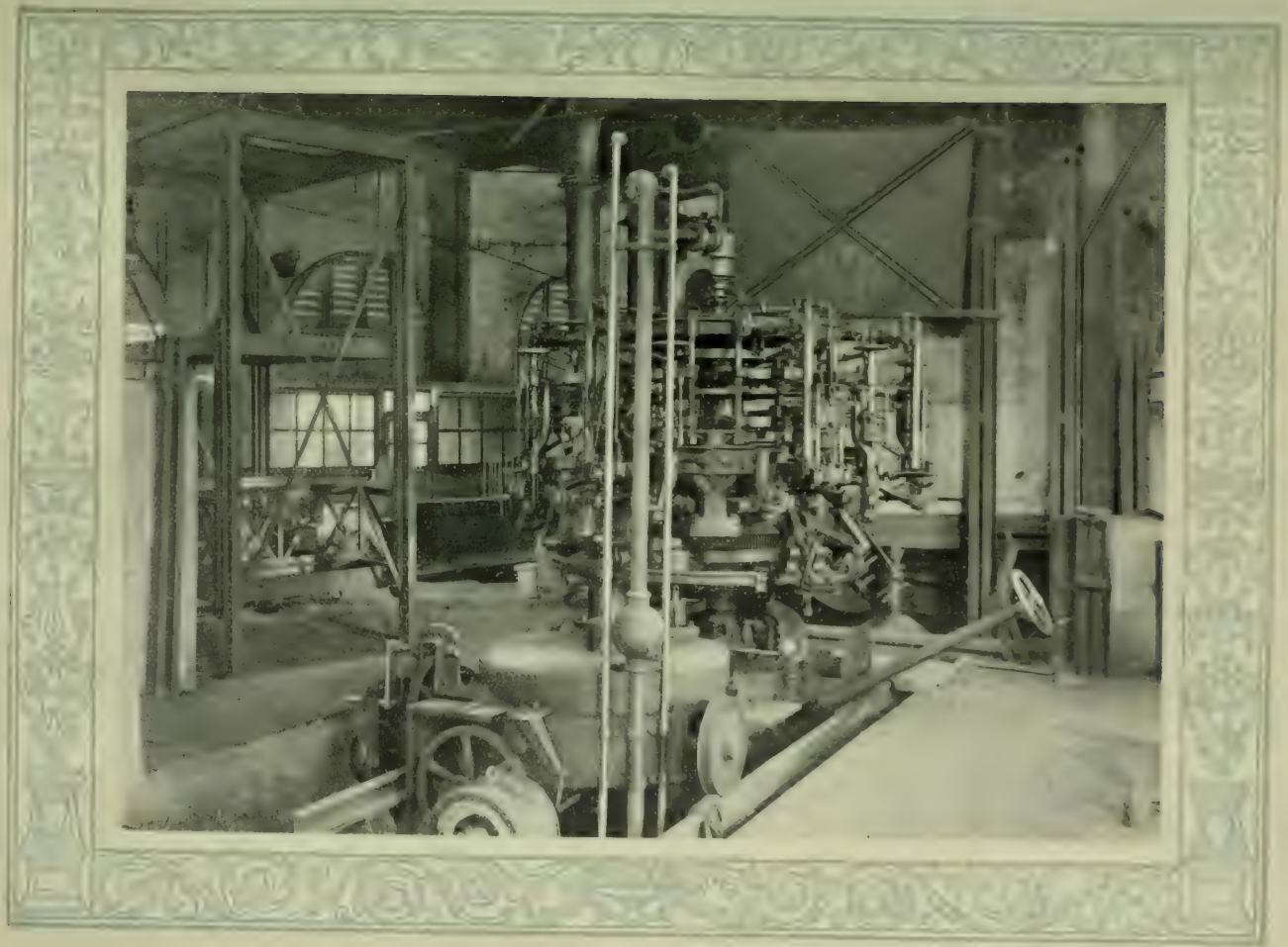
The flourishing electric cable industry (Milan)

Manufacture of electric cables (Milan)

Manufacture of telephone wires (Milan)



Preparation of asbestos (Turin)



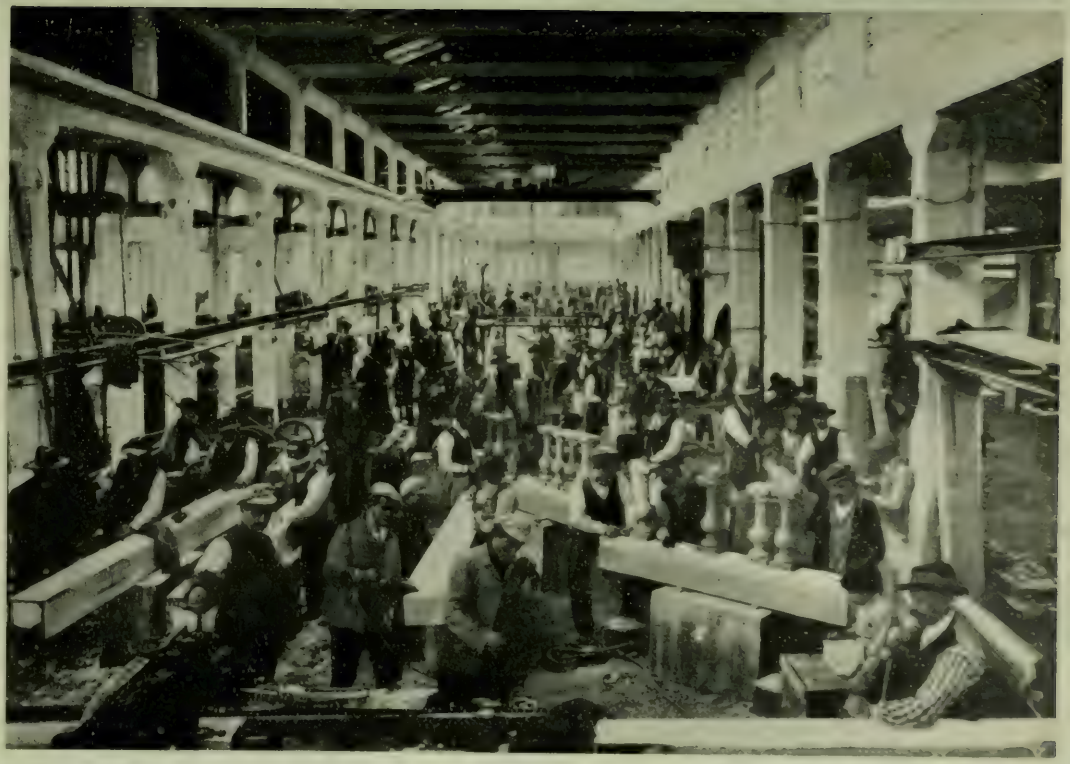
In a glass factory in Milan. Machine for bottle making

Working up the prepared clay in a pottery factory (Doccia)

Cement factory with rotary furnace (Civitavecchia)

Another cement factory in Alzano Sopra (Bergamo)

Marble sawing works (Carrara)



The marble industry in Tuscany

Manufacture of lenses in a factory for scientific instruments and instruments of precision (Sestri Ponente)

Clock factory (Milan)

Waterproof factory (Milan)

Stripping felts in a hat factory (Monza)

Another part of a hat factory (Monza)

Home manufacture of plaited straw for hats

Wicker work. Machine plaiting (Carpi)

Button polishing machines (Bergamo)

Boring machine in a button factory (Bergamo)

Leather striking machines in a tannery (Turin)

Factory for recovering bottles (Certaldo)

A shoe factory (Varese)

Cabinet making etc. in a furniture factory (Milan)

Manufacture of office furniture (Milan)

In a carriage factory (Varese)

Paper making (Milan)

Litbographic works in Milan

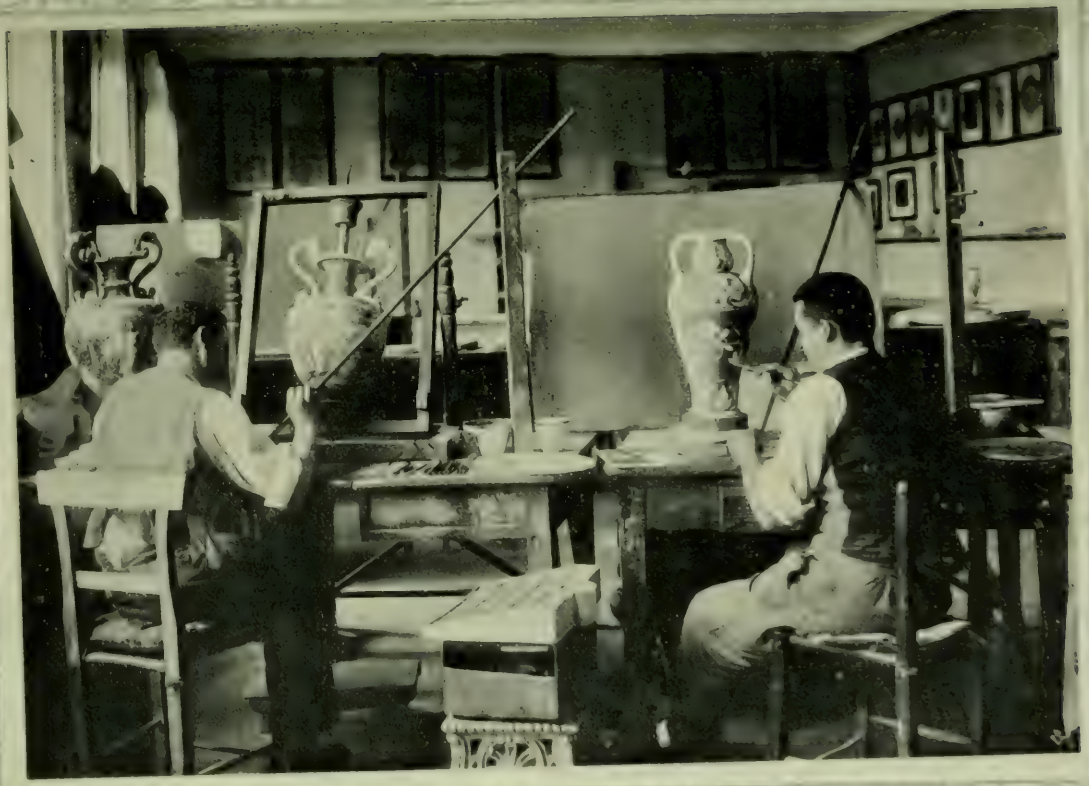
MINOR ARTS

The charateristic alabaster works at Volterra

Alabaster sculpture at Pisa

Marble mosaics

Laboratory for mosaics at Florence



Vase painters

Reproductions of bas reliefs in ceramics

Artistic frames at Florence

Making of wrought iron at Florence

Artistic photography in a Florentine studio

Rehearsal room in a cinema theatre in Turin

The lace industry at Venice

COMMUNICATIONS AND TRANSPORT

The Alpine Passes: The Brenner, on the way of the traffic with Southern Germany

The Alpine Passes: The Stelvio, on the Swiss frontier

The Alpine Passes: The Splügen, on the projected new railway between Italy and Switzerland

The Alpine Passes: The St. Gothard (Switzerland), route for the Commercial interchange between Italy and Central Europe

The Alpine Passes: The Simplon, the shortest route between Switzerland and the Mediterranean

A frontier Station: Domodossola, at the end of the Simplon tunnel

On the Simplon railroad: Iselle

The Alpine Passes: The Great St. Bernard, the ancient way of communication with France

The Alpine Passes: The Mont Cenis, near the principal railroad to France

Iron bridge over the Po

Iron bridge on the Fella

Masonry bridge on the Piave

Another masonry bridge

Plant for electric traction

Telpber line in Val Boite (Trentino)

HOTELS

A delightful winter resort: Santa Margherita

Where spring reigns eternal: Rapallo

Bathing resort: The Lido, Venice

A favourite autumn resort: the Lakes (Stresa)

The luxurious hotels on Lago Maggiore

Country hotels: Varese

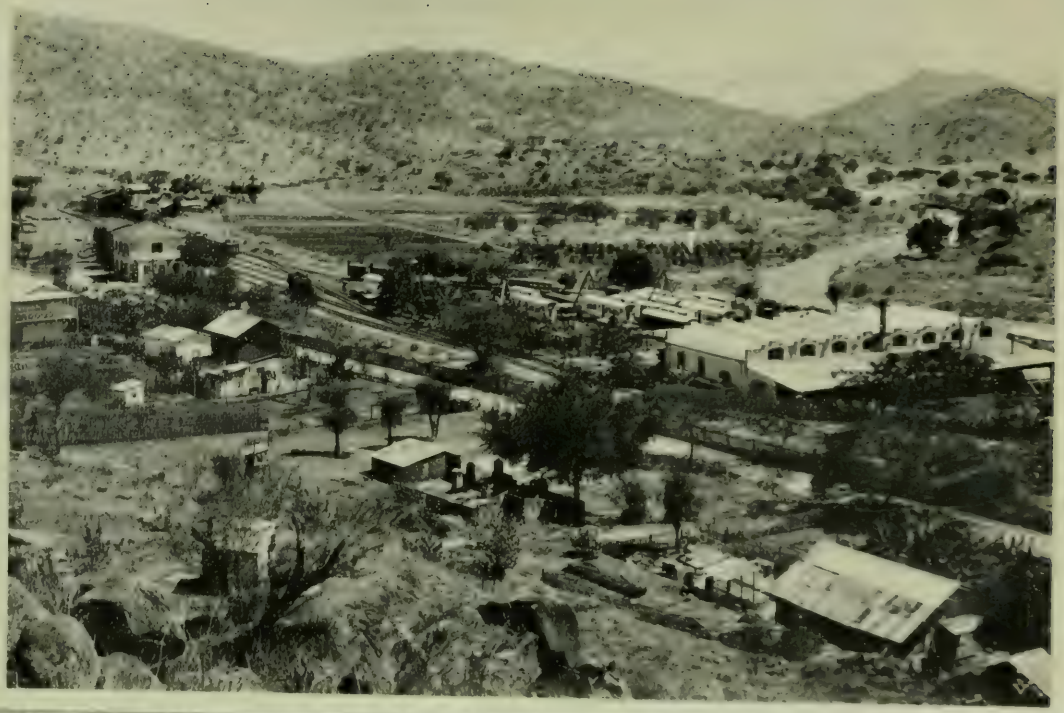
Country life in the mountains: the Dolomites

Alpine hotels: Trafoi

Baths: San Pellegrino

Hotels in thermal districts: Salsomaggiore

THE COLONIES



The station of Asmara, Erythraea

Market day at Saganeiti, Erythraea

Agricultural products of Erythraea

Strings of camels at the watering place on the Uebi Shebeli, Somaliland

Cattle in Somaliland

A colonist's house at Genale, Somaliland

Employment of agricultural machines in Somaliland

Millet plantation in Somaliland

Arab garden on the sand at Bengazi, Cyrenaica

Looking towards Shara-Shat, Tripolitania

Libyan enclosure and ancient cisterns at Safsa, Tripolitania

Characteristic heap of bay near Zania Faidea, Tripolitania

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